GUIDELINES ON THE ADMINISTRATION OF INCIDENTS

As described in section 30 of the National Environmental Management Act, 107 of 1998

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ANNEXURES

ACRONYMS AND ABBREVIATIONS

AR	Alarm Report
CAS	Chemical Abstracts Service
DEA	Department of Environmental Affairs
EMS	Emergency Municipal Services
ERP	Emergency Response Plan
GAR	Government Action Report
GHS	Global Harmonised System
HoD	Head of Department
IR	Incident Report
LoL	List of Lists
MEC	Member of Executive Council
NEMA	National Environmental Management Act, 107 of 1998
NEM:AQA	National Environmental Management: Air Quality Act, 39 of 2005
RQ	Reportable Quantity
SANS	South African National Standard
SAPS	South African Police Service
SDS	Safety Data Sheet
US EPA	United States Environmental Protection Agency

LIST OF FIGURES

Guidelines on the administration of incidents as described in section 30 of the National Environmental Management Act, 107 of 1998

THIS DOCUMENT MUST BE READ IN CONJUNCTION WITH THE BACKGROUND DOCUMENT: GUIDELINES FOR THE ADMINISTRATION OF INCIDENTS AS CONTEMPLATED IN SECTION 30 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 107 OF 1998

1. INTRODUCTION

1.1 Legal mandate/context

The purpose of the National Environmental Management Act, 107 of 1998 (NEMA) is inter alia, to provide for co-operative environmental governance by establishing principles for decision making on matters affecting the environment, and specifically for the control of incidents involving hazardous substances that could have a detrimental impact on the environment.

This is a measure to give effect to the provisions of section 24 of the Constitution regarding the protection of the environment.

This guideline document provides guidance to Relevant Authorities on the administration of section 30 of the National Environmental Management Act, 1998 (Act 107 of 1998, "NEMA").

Section 30 deals with the reporting of and response to "incidents" and provides for certain statutory duties and responsibilities of the person responsible for the incident (the 'responsible person') and outlines the permissible actions of the 'relevant authority' to which the incident is reported.

Section 30 deals with the reporting of and response to an unexpected, sudden and uncontrolled release of a hazardous substance, including from a major emission, fire or explosion, that causes, has caused or may cause significant harm to the environment, human life or property which is defined as an "incident" in section 30(1) of NEMA.

The administration of section 30 of NEMA entails the management of information generated during an incident and extends to monitoring the clean-up and remediation undertaken by the responsible person and may involve enforcement action against the responsible person in the event of non-compliance.

1.2 Clarification of key definitions

Section 30 of NEMA refers to an "incident" and defines this in subsection (1) as "an unexpected, sudden and uncontrolled release of a hazardous substance, including from a major emission, fire or explosion, that has caused or may cause significant harm to the environment, human life or property".

Some of the key concepts contained in this subsection are not defined, and hence other legislation or dictionary definitions of these key concepts are given below:

"unexpected – not expected or anticipated and/or surprising"

"sudden – occurring or done unexpectedly or without warning, abrupt, hurried, hastily"

"uncontrolled release – loss of containment, whether from the primary or any other containment" (as the "containment" is what constitutes the "control")

"forthwith – immediately, without hesitation or delay"

"significant harm to the environment, human life or property" –

- "significant" – "large enough to be noticeable or have noticeable effects"
- "harm" – "damage or injury that is caused by a person or an event"

"hazardous substance" – a solid, liquid, vapour, gas or aerosol, or combination thereof, which is a source of danger to persons and to the environment, by reason of its toxic, corrosive, irritant, strongly sensitizing or flammable nature, or because it generates pressure through decomposition, heat or other means". For the purpose of applying section 30 of NEMA, the presence of a substance on the list of substances developed as part of this project, is an indicator that this substance is hazardous.

"human life – the existence of a person who is not dead"

"Property – anything that is owned by a person or entity"

"Responsible person" and "relevant authority" are defined in section 30(1)(b) and 30(1)(c) of NEMA respectively:

"responsible person - any person who –

(i) is responsible for the incident;

(ii) owns any hazardous substance involved in the incident; or

(iii) was in control of any hazardous substance involved in the incident at the time of the incident."

"relevant authority –

(i) a municipality with jurisdiction over the area in which an incident occurs;

(ii) a provincial head of department or any other provincial official designated for that purpose by the MEC in a province in which an incident occurs;

(iii) the Director-General of the Department of Environmental Affairs;

(iv) any other Director-General of a national department."

2. WHAT IS AN INCIDENT

An incident is an occurrence where all the key concepts as indicated in the definition (and as clarified under paragraph 1 above) are present. There would have to be an unexpected loss of containment of a substance that is identified as such in the list of hazardous substances developed for this project – the substance would have been placed into this list by virtue of the fact that the substance is regarded as hazardous and as having the potential for causing serious danger to the public and/or serious pollution of the environment.

The duration of the possible impacts of an incident is irrelevant as the definition incorporates both immediate and delayed impacts.

The actual and potential pollution that the incident may cause includes, as per the definition of 'pollution' in NEMA, any change to the environment caused by substances, radioactive or other waves, noise, odours, dust and heat.

The receiving environment that may be impacted upon includes, as per the definition of 'environment' in NEMA, the aquatic, terrestrial, built and atmospheric components of the environment.

Example:

A truck transports barrels of hazardous substances. One of these barrels falls off the back of the truck in spite of being strapped down, and bursts open on the road. The liquid it contains disperses both onto the road, onto the untarred vegetated roadside verge and half-way down a storm water channel which decants into the veld nearby.

This incident will have to be reported in terms of section 30 of NEMA, if the hazardous substance is on the new list of hazardous substances and the hazardous substance that has escaped into the environment from the containment of the barrel, amounts to the reportable quantity on the list. By virtue of its inclusion in the list, the hazardous substance is deemed to be able to cause "significant harm to the environment, human life or property". Actual harm is not required for the triggering of the reporting, although of course actual harm will be relevant during the containment, clean up and application of first aid to persons. The incident qualifies as "sudden" because there is a spike in time when the incident occurs. The incident is "unexpected": although the possibility of a barrel falling off a truck at some time in the future was a foreseeable event, and therefore a control measure had been put in place, namely the strapping down of the barrel, the failure of the strap to hold the barrel on this day and during this truck transport is not expected, and therefore this release of the hazardous substance is not expected.

Questions and answers relevant to example:

Question 1: If a 250 litre drum fell off a truck and spilled its contents off-site, there may be risk to the environment whereas if the spill took place within a bunded area on-site the environmental risk would be negligible. Having the same regulatory compliance responsibilities for both instances does not make sense?

Answer 1: The inclusion of all spills larger than the proposed threshold (on-site and off-site) at least as an alarm report allows the Department to ensure that control measures (whether engineering measures such as bunding, paving etc., or management measures) were operated as intended. This is necessary so that the DEA can monitor recurrences at the same facilities, which could escalate over time to more serious, non-contained events.

Question 2: 1 kilogram of chlorine released into the air will have a different environmental impact compared to 1 kilogram of gaseous chlorine released in a small water body that in turn will also have a different environmental impact if released into a large water body.

Answer 2: The risk-based approach used to determine the revised reporting thresholds has been carefully set out in the background document. The background document explains that the different environmental media that may be affected have implicitly been taken into account in the setting of the thresholds, and the decision has been made to base the reporting threshold on the most conservative effect, or the most sensitive environmental medium. To set a different threshold for each of the media has the potential to create an unworkably complex guideline, as well as requiring subjective on-site decisions; in the example used of the chlorine release, decisions would then have to

be made on whether the release will affect the air or the water (or, might be added, the soil) or both, then on atmospheric stability, the quantity of water available for dilution, the porosity of the soil and all the other factors that determine environmental impact, all within a reasonable time after an incident. Further, the approach used in the guideline is in line with international practice in this regard.

With regards to the quantities, it is pointed out that the basis on which the new thresholds were arrived at has a sound scientific basis used in the largest environmental jurisdiction in the world; full details are given in the background document. As shown there, in the majority of cases the thresholds are higher that they were in the previous (old) guideline.

The recommendation to focus on concentrations at a specific distance/location from the incident at a specific time period associated with the incident is impractical and unmanageable, as the potential site of impact and the rate of dispersion will vary for each event. It is not to say that a substance that disperses fast will have more (or less) of an impact than another substance which does not. Many factors, including those mentioned above, as well as the sensitivity of the receiving environment, will have an impact in this regard. To rapidly determine all these factors is not viable. It is far more complex and inaccurate to estimate or predict concentrations of a released substance at a distance from a release than to determine the mass (or volume) released.

Question 3: Does the threshold for a reportable incident apply only to the part of a spill that may pose environmental impact, or to the entire spill? For example: if a 250-litre drum fell off a truck and the hazardous component is spilled on the road with less than the reportable quantity spilled on the veld and in trenches, will this then still be a reportable incident?

Answer 3: No.

Question 4: Does “property” in the incident definition also refer to company property?

Answer 4: Property does include company property. This would be in line with the requirement that loss of primary containment has to be reported.

Question 5: Surely where containment systems are effective, and there is no risk of environmental harm, the incident should not be reportable, even if there is exceedance of a threshold for reporting?

Answer 5: According to the definition of “uncontrolled release”, which refers to ‘loss of containment from the primary container’ the alarm report should be made. If the containment system has then worked as designed, the additional reporting levels should be a formality. This ensures that the Department becomes aware of the incident and can ascertain that secondary containment measures in fact were effective or worked as designed; or that there are no recurrences of the incident.

Question 6: If there was loss of containment, but this occurred due to lack of maintenance of the equipment over time, is the spill still an “incident” and require reporting?

Answer 6: Yes. One of the reasons for having introduced section 30 of NEMA in its current wording, is to monitor all unexpected releases of hazardous releases to the environment. Using “lack of maintenance” as a bar to reporting, would be contrary to this. The spill (resulting from lack of maintenance) was just as unexpected and sudden as the falling off of the drum from the truck in the primary example, as the exact date and time could not be predicted.

3. OVERVIEW OF SECTION 30 OF NEMA

Section 30 of NEMA consists of 10 subsections and at least eleven (11) possible actions can be identified within these ten subsections (Table 1). For every incident, the 11 actions can be regarded as falling into one of two stages; namely a containment stage and a review stage

The containment stage is the response stage in which the focus is upon the containment, clean up, remediation and preliminary assessment of the incident. Sections 30(2) to 30(4) are relevant to this stage of the incident.

Section 30(5) is specific to the review stage of the incident. The focus of this stage is the post-clean up assessment of the incident and reporting of the relevant information to the authorities. This information is critical for future prevention and management of incidents.

Subsections (6) and (7) provide relevant authorities with the legislative mandate to enforce the need for responsible persons to report, clean up, remediate and assess the long-term impacts of the incident. Relevant authorities could invoke these subsections in either the containment stage or the review stage.

Lastly, subsections (8) to (10) make provision for the authority to intervene and undertake the clean-up, remediation and assessment activities on behalf of the responsible person and to claim reimbursement for expenses incurred in this process from the responsible person. This action is likely to begin in the containment stage and to be concluded in the review stage.[1]

Table 1 List of actions and role players in section 30 of NEMA

ACTION NO.	ACTION	RESPONSIBILITY	REFERENCE
1	Initial reporting of the incident to the authorities	Responsible Person	Section 30(3)
2	Containing and minimising the effects of the incident to the environment, health, safety and property of persons	Responsible Person	Section 30(4a)
3	Undertaking clean up procedures	Responsible Person	Section 30(4b)
4	Remedying the effects of the incident	Responsible person	Section 30(4c)
5	Assessing the immediate and long-term effects of the incident on the environment and public health	Responsible Person	Section 30(4d)

1 Source: Authorities Guide: NEMA section 30 – Control of Emergency Incidents, Authorities series Volume1, Issue 1 – 2010. Department of Environmental Affairs & Development Planning, Provincial Government of the Western Cape

6	Initial evaluation reporting within 14 days of the incident	Responsible Person	Section 30(5)
7	The issuing of a directive by a relevant authority for actions 2-6 above	Relevant Authority	Section 30(6)
8	Confirmation of a verbal directive in writing	Relevant Authority	Section 30(7)
9	Undertaking of actions 2-4 by the relevant authority where the responsible person fails to act.	Relevant Authority	Section 30(8)
10	Claiming reimbursement of all reasonable costs from every responsible person	Relevant Authority	Section 30(9)
11	Comprehensive reporting by a relevant authority which has exercised actions 7-9 above	Relevant Authority	Section 30(10)

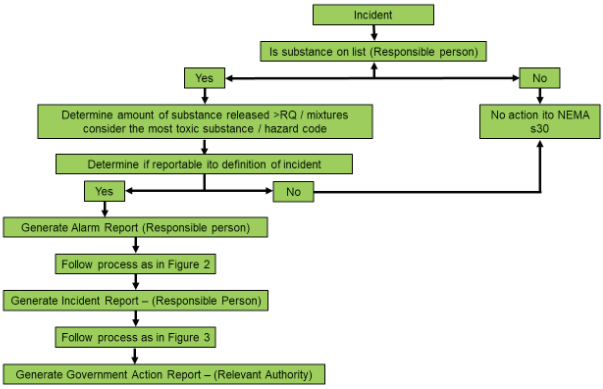
4. REPORTING PROCESS

4.1 Short description

The reporting process will only commence if the occurrence qualifies as an "incident", as discussed in paragraph 2 above.

The process flow for the response to an incident in terms of section 30 of NEMA is illustrated in Figure 1.

Figure 1 Process flow of an incident in terms of section 30 of NEMA.



4.2 Types of reports

The types of reports triggered by an incident is described in section 30, as –

4.2.1 Alarm Report (section 30(3))

The Alarm Report represents the first reporting step in the incident process and must be compiled immediately and without delay. The purpose of this report is for the responsible person to notify relevant authorities that an incident has occurred and to provide basic information on the nature of the incident so that decisions can be made as to the most effective way of dealing with the incident.

The Alarm Report must be compiled by the either the responsible person or the employer of the responsible person. The Alarm Report must be submitted by the responsible person to the following relevant authorities:

- The Director-General (DEA)
- The South African Police Service and the relevant emergency services
- The relevant provincial head of department or municipality
- All persons whose health may be affected by the incident.

Section 30(3) of NEMA requires the responsible person to report the following minimum information in the Alarm Report:

- The nature of the incident
- Any risks posed by the incident to public health, safety and property
- The toxicity of substances or by-products released by the incident and
- Any steps that should be taken in order to avoid or minimise the effects of the incident on public health and the environment.

In order to be able to take such steps, the following information should ideally be disclosed:

- Responsible person name, location, organisation, and telephone number
- Name and address of the party responsible for the incident
- Date and time of the incident
- Location of the incident
- Medium (e.g. land, water) affected by release or spill
- Number and types of injuries or fatalities (if any)
- Weather conditions at the incident location
- Name of the carrier or vessel, the railcar/truck number, or other identifying information
- Whether an evacuation has occurred
- Other departments notified or about to be notified and
- Any other information that may help emergency personnel respond to the incident

The contact details of the relevant provincial officials administering section 30 incidents are available on the DEA website at the link https://www.environment.gov.za. The DEA will ensure that the information pertaining to the officials are kept up-to-date.

A crucial aspect of the administration of a section 30 incident is the sharing of information relating to the specific incident. It is therefore important that the authorities be kept informed of the incident.

4.2.2 Incident Report (section 30(5))

The Incident Report is compiled after the containment, clean up, remediation and preliminary assessment of the long-term residual impact of the incident have been completed. The report must be submitted to all relevant authorities within 14 days of the incident occurring. The purpose of this report is to inform the relevant authorities of the containment and remediation process that was followed and the results of the preliminary assessment of the long-term impacts of the incident. This report also provides information on the cause of the incident and the responsible person's proposed measures to prevent the recurrence thereof.

The Incident Report must be compiled by the responsible person and submitted to the following:

- The Director-General (DEA)
- The relevant provincial head of department
- The relevant municipality

Section 30(3) of NEMA requires the responsible person to report the following information in the Incident Report:

- The nature of the incident
- The substances involved and an estimation of the quantity released and their possible acute effect on persons and the environment and data needed to assess these effects
- Initial measures taken to minimise impacts
- The causes of the incident, whether direct or indirect, including equipment, technology, system, or management failure
- The measures taken and to be taken to avoid a recurrence of such incident

It is recommended that as much of the following information as possible is also provided in the Incident Report:

- Responsible person name, location, organisation, and telephone number
- Name and address of the party responsible for the incident
- Date and time of the incident
- Location of the incident
- Medium (e.g. land, water) affected by release or spill
- Number and types of injuries or fatalities (if any)
- Weather conditions at the time of the incident
- Name of the carrier or vessel, the railcar/truck number, or other identifying information
- Whether an evacuation occurred
- Other departments which have received an Incident Report or who will receive an Incident Report
- Any other information that may help authorities undertake an initial evaluation of the incident

In order to ensure that appropriate information be provided in the Incident Report a template for such a report is attached as Annexure 2. A copy of the template will be available on the DEA web-site at the link https://www.environment.gov.za.

4.2.4 Government Action Report (section 30(10))

A Government Action Report (GAR) which is compiled by the relevant authority should demonstrate the necessity for the intervention by the relevant authority and should in terms of section 30(10) be compiled as soon as practically possible and submitted to all parties.

In addition to the information provided in the Incident Report, the relevant authority should ideally include as much of the following information as possible in the GAR:

- The factors which influenced the decision by the relevant authority to intervene
- The financial and other costs associated with the intervention
- The proposed plans to recover the costs from the responsible person (if applicable)

5. ROLE OF EACH ORGAN OF STATE

The role of the various spheres of Government is described in section 30(1)(c) in the definition of "relevant authority" as follows:

"(i) A municipality with jurisdiction over the area in which an incident occurs;

(ii) A provincial head of department or any other provincial official designated for that purpose by the MEC in a province in which an incident occurs;

(iii) The Director-General (of Environment Affairs); and

(iv) Any other Director-General of a national department."

Subsection (2) provides a measure of co-ordination between the various relevant authorities in that it establishes a hierarchy of response. In this hierarchy, individual relevant authorities only exercise their authority in terms of section 30 if the authority preceding them has not exercised its authority.

The responsibility of relevant authorities to take steps is set out in the manner it has been in the NEMA. By implication, it places a responsibility on all relevant authorities who become aware of an incident to confirm that the other authorities are aware thereof, as well as who must be involved in a particular incident. Cooperation amongst relevant authorities must be promoted throughout in the management of an incident. Similarly, the sharing of information regarding an incident must be promoted for every incident between those relevant authorities involved. Most notable, is the sharing of the AR, IR, GAR, initial evaluation of incidents and closure reports.

As every incident has its own unique circumstances, it will enhance the implementation of section 30 of NEMA if guidelines are provided to detail which organ of state will be the relevant authority for a specific incident.

Coordination between the different levels of government is paramount to the successful implementation of section 30 of NEMA. To avoid duplication of efforts it is recommended that the DEA will be

the relevant authority of incidents that fall under the following categories:

- Where the National Environmental Management: Protected Areas Act, 57 of 2003; Marine Pollution (Prevention of pollution from ships) Act, 6 of 1981; National Environmental Management: Integrated Coastal Management Act, 24 of 2008; or National Environmental Management: biodiversity Act, 10 of 2004 is the overarching legislation governing the incident
- There is uncertainty or disagreement with respect to the relevant authority and response is needed urgently
- Insufficient resources at the municipality and/or provincial sphere of government
- Responsible person has an ongoing record of incidents in different Provinces that are still under investigation
- The responsible person is under investigation by DEA
- The responsible person is a provincial environment department
- The impacts of the incident are expected to cross provincial or international boundaries
- The incident occurred on a national road
- The incident is reportable in terms of an international agreement, e.g. Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal (Basel Convention)
- Responsible person is a State-Owned Enterprise, e.g. Eskom, Telkom, ACSA, Transnet, National Port Authority and Petro-SA
- The incident occurred in a declared National Priority Area according to the National Environmental Management: Air Quality Act, 39 of 2004, limited to incidents that have the potential to impact on air quality
- All incidents involving medical wastes
- The incident has the potential to affect the marine/coastal environment
- The incident has occurred at a hazardous landfill site

5.1 Role of relevant authorities

The most important roles and responsibilities of the relevant authorities as identified (either expressly or implied) in section 30 are briefly outlined below.

5.1.1 National and Provincial departments and Municipalities

(a) Establish a system for receiving and processing Alarm Reports, Incident Reports and Government Action Reports.

(b) Provide assistance to other relevant authorities when necessary.

(c) Intervene in terms of section 30(6) and/or (8) of NEMA if necessary.

(d) Ensure sufficient resources have been allocated to the management of an incident.

(e) Assume the responsibility of relevant authority and act as co-ordinator for the emergency response and reporting processes, unless such co- ordination is best undertaken by another authority.

(f) Ensure that all officers involved in responding to incidents have been appropriately trained and maintain a training register in this regard.

(g) Provide and maintain suitable vehicles and equipment for responding to incidents.

(h) Institute enforcement action against responsible persons when necessary.

(i) Request assistance from other relevant authorities, when necessary, in accordance with the following hierarchy as may be applicable: Local Municipality, District Municipality, Provincial Environmental Departments or other Provincial Departments, DEA, other National Departments.

(j) Review and assess the adequacy of Incident Reports.

(k) Maintain a database of incidents and report specific information on incidents.

(l) Analyse trends and generate statistics on incidents in South Africa.

(m) Develop strategies, policies and legislation for risk reduction, prevention and improved incident management.

(n) Set up dedicated internal structures to: draft and issue NEMA section 30 directives; review reports; and close incidents.

5.1.2 Emergency Services

(a) Establish a system for receiving and processing Alarm Reports and Government Action Reports.

(b) Provide assistance to responsible persons when necessary.

(c) Notify other relevant authorities of the incident.

(d) Ensure sufficient resources have been allocated to the management of an incident.

(e) Assume the responsibility of lead authority for the co-ordination of the emergency response when the incident involves a fire or explosion.

(f) Ensure that all officers involved in responding to incidents have been appropriately trained and maintain a training register in this regard.

(g) Provide and maintain suitable vehicles and equipment for responding to incidents.

(h) Request assistance from other fire departments when necessary.

(i) Maintain a database of incidents responded to within the municipality and report specific information to the municipality on an agreed frequency.

5.1.3 South African Police Service

(a) Establish a system for receiving and processing Alarm Reports and Government Action Reports.

(b) Provide assistance to responsible persons when necessary.

(c) Notify other relevant authorities of the incident.

(d) Ensure sufficient resources have been allocated to the management of an incident.

(e) Manage entry and exit to and from the site of an incident.

(f) Manage the evacuation of persons when necessary

(g) Ensure that all officers involved in responding to incidents have been appropriately trained and

maintain a training register in this regard.

(h) Provide and maintain suitable vehicles and equipment for responding to incidents.

(i) Request assistance from other police departments when necessary.

(j) Maintain a database of incidents responded to within the municipality and report specific information to the municipality on an agreed frequency.

6. SCHEMATIC PRESENTATION OF THE PROCESS

The process following the receipt of the Alarm Report by the relevant authority is illustrated in Figure 2

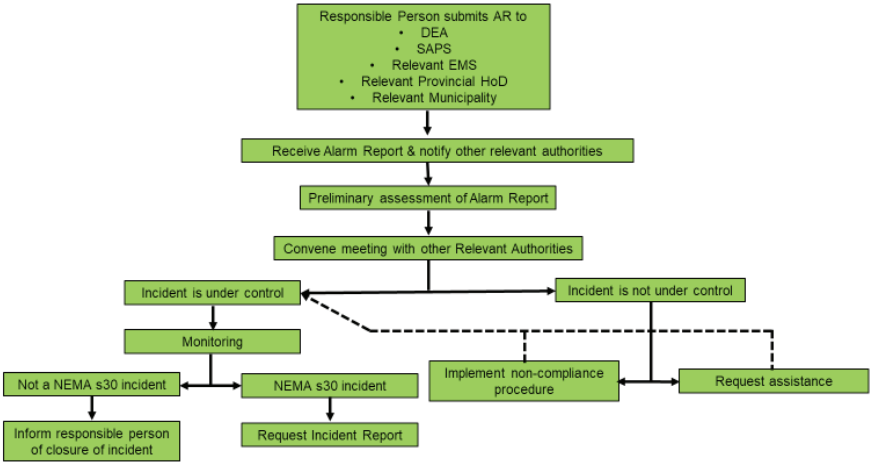


Figure 2 Flow diagram of the process following receipt of the Alarm Report by the relevant authority

The process following the administration of a section 30 incident following the receipt of the Incident Report by the relevant authority is illustrated in Figure 3

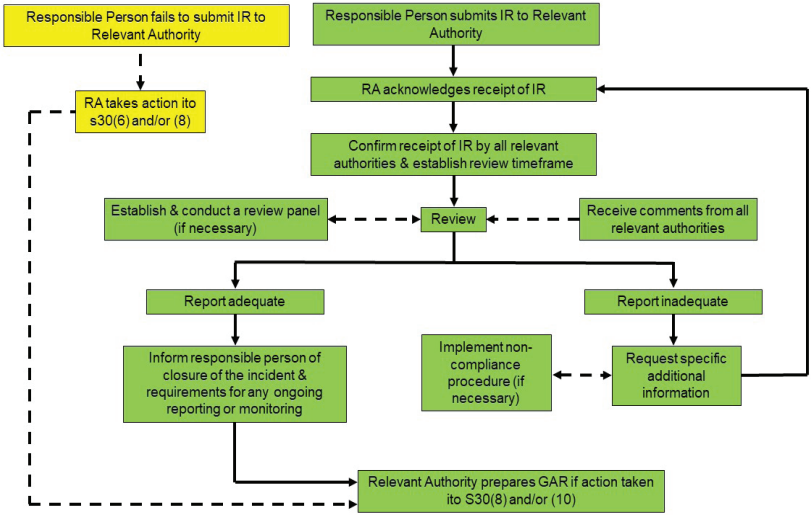


Figure 3 Flow diagram of the process following the receipt of the Incident Report

7. DEALING WITH NON-COMPLIANCE WITH SECTION 30 OF NEMA

7.1 Non-compliance by the responsible person

Non-compliance to section 30 of NEMA may involve the failure of the responsible person to do any or all of the following:

- submit a report in terms of subsections (3) and/or (5)
- act in terms of subsection (4) with respect to taking measures to contain and minimise the effects of the incident, undertake clean up procedures, remedy the effects of the incident and/or assess the immediate and long-term effects of the incident
- comply with a directive issued under subsection (6)

7.2 Possible Reasons for Non-compliance

Since the promulgation of the Act, numerous reasons have been provided for non-compliance to the provisions of section 30 of NEMA, including the following:

- lack of awareness of the requirements of section 30 of NEMA
- poor co-ordination between Relevant Authorities resulting in conflicting communication and/or requirements from different authorities
- responsible person interpretation of an incident different to that held by the authorities
- consequences of complying not seen to be preferable to the consequences of not complying

7.3 Enforcement

NEMA provides three enforcement mechanisms to deal with non-compliance to section 30, viz:

- Administrative enforcement
- Criminal enforcement
- Remediation of the effects of the incident by the relevant authority

7.4 Pre-emptive Measures to Improve Compliance

A number of pre-emptive measures can be implemented to promote compliance to section 30 of NEMA. The following measures should be considered by relevant authorities:

(a) Authorisations, permits and licenses issued in terms of environmental legislation should include, as a condition thereto, compliance to section 30 of NEMA or the specific provisions of any guidelines issued in terms thereof. If certain occurrences, such as flaring, are not considered to be incidents as contemplated by section 30, then the permit or license should, at the very least, specify that such occurrences are nevertheless reported to the issuing authority.

(b) Relevant municipal departments should make companies aware of the requirements of section 30 during their routine inspections of facilities;

(c) Incidences of non-compliance to section 30 should be reported by relevant authorities to the DEA and the DEA should maintain a register of the reasons for the non-compliances. This will assist in the drafting of future legislation;

(d) Organisations representing the chemical industry, transport industry and other relevant industries should be sent a formal guideline on the DEA's interpretation of section 30 of NEMA and the role of responsible persons identified therein; and

(e) Communication should be sent to all role players explaining how the information gathered through the reporting process of section 30 is analysed and utilised to assist in preventing and managing future incidents.

7.5 Further Guidance on dealing with non-compliance

The steps below are intended to assist Relevant Authorities in dealing with non-compliances:

(a) Identify the type of non-compliance and the reason for the non-compliance

(b) If contemplating administrative enforcement by means of issuing a directive, ensure that the provisions of the Promotion of Administrative Justice Act, 2000 (Act No. 3 of 2000) are complied with by providing responsible persons the opportunity to make representations on the intended directive. This can be achieved by issuing a warning letter prior to the directive, unless the incident is of such a nature that an urgent directive is necessary

(c) NEMA makes provision for a verbal directive to be issued in situations which demand immediate action. The relevant authority issuing the verbal directive must clearly and unambiguously state what specific actions are required and follow the verbal directive with a written directive within seven days of issuing the verbal directive {section 30 (7)}

(d) For non-compliance with respect to the submission of an Alarm Report, a letter should be sent to the responsible person instructing them to, in future, submit an Alarm Report to all relevant authorities identified in section 30 of NEMA. This letter should be copied to all relevant authorities to

raise awareness amongst the authorities on the requirements of section 30

(e) If the non-compliance pertains to section 30(4), determine the urgency of the incident and, after consultation with other relevant authorities, decide whether a warning letter or a directive should be issued to the responsible person

(f) If the responsible person fails to or inadequately responds to the warning letter, issue a directive detailing the specific measures required for containment, cleanup and remediation and include a notice of intent to undertake the required measures and claim the costs from the responsible person should they fail to comply with the directive

8. LIST OF HAZARDOUS SUBSTANCES, IDENTIFICATION OF THRESHOLDS AND MINIMUM REQUIREMENTS

8.1 Description of the process to compile the list of hazardous substances

The list of hazardous substances provided in the following section 6.2 has been derived using the following steps:

8.1.1 The basis is a combined list of chemical substances drawn up by the United States Environmental Protection Agency (US EPA) in response to the requirements of four pieces of environmental legislation, each with its own list of substances. Almost inevitably, this combined list became known as the 'list of lists' or LoL. Inclusion of a substance in the list, and the reportable quantity (RQ) for each substance, is determined by a quantitative assessment of five types of hazard based on the properties of the substance viz. aquatic toxicity, mammalian toxicity (oral, dermal and inhalation), ignitability, reactivity and chronic toxicity. It will be noted that these cover the categories of 'harm to human health, the environment or property' (see section 1.2) in the three media of surface and ground water, the atmosphere, and permanent change to the soil or solid waste.

8.1.2 This list was compared to the list of substances in the previous NEMA section 30 guideline, and all substances appearing in the latter but not in the US EPA LoL were retained with their respective RQs in the present version as a conservative measure.

8.1.3 Reportable quantity (RQ) categories in the US EPA LoL progress in a logarithmic fashion i.e. 1 lb, 10 lb, 100 lb, 1000 lb with the final category at 5000 lb. To simplify the numbers in the final list, these were converted to kg by multiplying by 0.5 instead of the more accurate 0.4536. Similarly, because of the limited range of densities occurring in practice, reporting is allowed in either kg (for solids) or litres (for liquids), with no change in the reportable quantity.

8.2. Alphabetical list of hazardous substances

An alphabetical list of hazardous substances is included as Annexure 3 and is also available electronically on the DEA website (https://www.environment.gov.za).

The following sequence applies to the use of the alphabetical list appearing below:

8.2.1 For essentially pure substances which are listed, reporting should take place when the incident involves more than the reportable quantity for that substance.

8.2.2 For mixtures or wastes containing known amounts or percentages of substances in the list, the amount of each component involved should be calculated and compared to the reportable quantity for that component; where any component(s) exceed(s) the reportable quantity, reporting should

take place. Additive and synergistic effects have not been taken into account due to the paucity of accessible information in this regard. Refer to paragraph 7.5 of the Background Document for the rationale to this recommendation.

8.2.3 Where limited information is available regarding the composition of the mixture or the waste, it should be assumed to consist entirely of the most toxic known component and reporting should be done accordingly.

8.2.4 As a final measure, reporting should take place where any of the following hazard codes or hazard phrases according to the Global Harmonised System (GHS) and/or SANS 10234 appear on the Safety Data Sheet (SDS) for that substance.

8.3. List of hazardous substances based on CAS numbers

The list of hazardous substances based on CAS numbers is available electronically on the DEA website.

MSDS information is available via links in the lists on the DEA website (internet access is required).

Table 2: List of hazard codes and RQ values

HAZARD CODE	HAZARD STATEMENT	PROPOSED RQ (KG)
H200	Unstable explosive	0.5
H201	Explosive; mass explosion hazard	0.5
H220	Extremely flammable gas	50
H222	Extremely flammable aerosol	50
H224	Extremely flammable liquid and vapour	50
H225	Highly flammable liquid and vapour	500
H226	Flammable liquid and vapour	2500
H250	Catches fire spontaneously if exposed to air	0.5
H251	Self-heating; may catch fire	0.5
H260	In contact with water releases flammable gases that may ignite spontaneously	0.5
H270	May cause or intensify fire; oxidizer	0.5
H271	May cause fire or explosion; strong oxidizer	0.5
H300	Fatal if swallowed	0.5
H301	Toxic if swallowed	5

HAZARD CODE	HAZARD STATEMENT	PROPOSED RQ (KG)
H310	Fatal in contact with skin	0.5
H311	Toxic in contact with skin	5
H330	Fatal if inhaled	0.5
H331	Toxic if inhaled	5
H400	Very toxic to aquatic life	0.5
H401	Toxic to aquatic life	5
H402	Harmful to aquatic life	50

ANNEXURE 1 NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 107 OF 1998 - SECTION 30

30. Control of incidents

(Heading substituted by section 13(a) of Act 30 of 2013)

(1) In this section-

(a) —incident" means an unexpected, sudden and uncontrolled release of a hazardous substance, including from a major emission, fire or explosion, that causes, has caused or may cause significant harm to the environment, human life or property;

(Section 30(1)(a) substituted by section 13(b) of Act 30 of 2013)

(b) "responsible person" includes any person who-

(i) is responsible for the incident;

(ii) owns any hazardous substance involved in the incident; or

(iii) was in control of any hazardous substance involved in the incident at the time of the incident;

(c) "relevant authority" means-

(i) a municipality with jurisdiction over the area in which an incident occurs;

(ii) a provincial head of department or any other provincial official designated for that purpose by the MEC in a province in which incident occurs;

(iii) the Director-General;

(iv) any other Director-General of a national department.

(2) Where this section authorises a relevant authority to take any steps, such steps may only be taken by-

(a) the person referred to in subsection (1)(c)(iv) if no steps have been taken by any of the other

persons listed in subsection (1)(c);

(b) The person referred to in subsection (1) (c)(iii) if no steps have been taken by any of the persons listed in subsection (1)(c)(I) and (c)(ii);

(c) The person referred to in subsection (1) (c) (ii) if no steps have been taken by the person listed in subsection (1)(c) (I):

Provided that any relevant authority may nevertheless take such steps if it is necessary to do so in the circumstances and no other person referred to in subsection (1)(c) has yet taken such steps.

(3) The responsible person or, where the incident occurred in the course of that person's employment, his or her employer must forthwith after knowledge of the incident, report through the most effective means reasonably available-

(a) the nature of the incident;

(b) any risks posed by the incident to public health, safety and property;

(c) the toxicity of substances or by-products released by the incident; and

(d) any steps that should be taken in order to avoid or minimise the effects of the incident on public health and the environment to-

(i) the Director-General;

(ii) the South African Police Services and the relevant fire prevention service;

(iii) the relevant provincial head of department or municipality; and

(iv) all persons whose health may be affected by the incident.

(4) The responsible person or, where the incident occurred in the course of that person's employment, his or her employer, must, as soon as reasonably practicable after knowledge of the incident-

(a) take all reasonable measures to contain and minimise the effects of the incident, including its effects on the environment and any risks posed by the incident to the health, safety and property of persons;

(b) undertake clean up procedures;

(c) remedy the effects of the incident;

(d) assess the immediate and long-term effects of the incident on the environment and public health;

(5) The responsible person or, where the incident occurred in the course of that person's employment, his or her employer, must, within 14 days of the incident, report to the Director-General, provincial head of department and municipality such information as is available to enable an initial evaluation of the incident, including-

(a) The nature of the incident;

(b) The substances involved and an estimation of the quantity released and their possible acute effect on persons and the environment and data needed to assess these effects;

(c) Initial measures taken to minimise impacts;

(d) Causes of the incident, whether direct or indirect, including equipment, technology, system, or management failure; and

(e) Measures taken and to be taken to avoid a recurrence of such incident.

(6) A relevant authority may direct the responsible person to undertake specific measures within a specific time to fulfil his or her obligations under subsections (4) and (5): Provided that the relevant authority must, when considering any such measure or time period, have regard to the following:

(a) The principles set out in section 2;

(b) The severity of any impact on the environment as a result of the incident and the costs of the measures being considered;

(c) Any measures already taken or proposed by the person on whom measures are to be imposed, if applicable;

(d) The desirability of the state fulfilling its role as custodian holding the environment in public trust for the people;

(e) any other relevant factors.

(7) A verbal directive must be confirmed in writing at the earliest opportunity, which must be within seven days.

(8) Should-

(a) The responsible person fail to comply, or inadequately comply with a directive under subsection (6);

(b) There be uncertainty as to who the responsible person is; or

(c) There be an immediate risk of serious danger to the public or potentially serious detriment to the environment,

a relevant authority may take the measures it considers necessary to-

(i) contain and minimise the effects of the incident;

(ii) undertake clean up procedures; and

(iii) remedy the effects of the incident.

(9) A relevant authority may claim reimbursement of all reasonable costs incurred by it in terms of subsection (8) from every responsible person jointly and severally.

(10) A relevant authority which has taken steps under subsections (6) or (8) must, as soon as reasonably practicable, prepare comprehensive reports on the incident, which reports must be made available through the most effective means reasonably available to-

(a) the public;

(b) the Director-General;

(c) the South African Police Services and the relevant fire prevention service;

(d) the relevant provincial head of department or municipality; and

(e) all persons who may be affected by the incident.

(11)…

(Section 30(11) added by section 13 of Act 14 of 2009)

(Section 30(11) deleted by section 13(c) of Act 30 of 2013)

<table>
<tr><td rowspan="3"> 
environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA
 
</td><td>Document Type:</td><td colspan="2">INCIDENT REPORT</td></tr>
<tr><td>Title for the incident:</td><td colspan="2"></td></tr>
<tr><td>Date of the incident :</td><td colspan="2"></td></tr>
<tr><td>Reference:</td><td></td><td>Initial Submission Date:</td><td></td></tr>
<tr><td>Revision No.:</td><td></td><td>Compiled by:</td><td></td></tr>
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ANNEXURE 2: INCIDENT REPORT TEMPLATE

This form provides a template for the emergency incident report required in terms of section 30(5) of the National Environmental Management Act (Act No. 107 of 1998) (as amended) (hereinafter "NEMA") in which the responsible person or, where the incident occurred in the course of that person´s employment, his or her employer, must, within 14 days of the incident, report to the Director General, provincial head of department and municipality such information as is available to enable an initial evaluation of the incident, including: (a) the nature of the incident; (b) the substances involved and an estimation of the quantity released and their possible acute effect on persons and the environment and data needed to assess these effects; (c) initial measures taken to minimise impacts; (d) causes of the incident, whether direct or indirect, including equipment, technology, system, or management failure; and (e) measures taken and to be taken to avoid a recurrence of such incident.

In terms of section 30(1)(a) of NEMA, an "incident" means an unexpected, sudden and uncontrolled release of a hazardous substance, including from a major emission, fire or explosion, that causes, has caused or may cause significant harm to the environment, human life or property.

In line with section 24 of the Constitution of the Republic of South Africa (Act No. 108 of 1996), "serious" is taken to be a measure of the impact of an incident where such an incident has had, could have had, is having, or will have a negative impact on human health or well-being.

1. RESPONSIBLE PERSON			
In terms of section 30(1)(b) of NEMA, the "responsible person" includes any person who: (i) is responsible for the incident; (ii) owns any hazardous substance involved in the incident; or (iii) was in control of any hazardous substance involved in the incident at the time of the incident			
1.1 Name:		**1.2 Designation:**	
1.3 Postal Address:		**1.4 Physical Address:**	
1.5 Telephone (B/H):		**1.6 Telephone (A/H):**	
1.7 Fax:			
1.8 E-mail:			
1.9 Nature of Business:			

2. EMERGENCY INCIDENT SUMMARY INFORMATION							
Mark the appropriate boxes							
2.1 Fire:		**2.2 Spill:**		**2.3 Explosion:**		**2.3 Gaseous Emission:**	
2.5 Injuries		**2.6 Reportable injuries:**		**2.7 Hospitalisation:**		**2.8 Fatalities:**	
2.9 Open water impacts:		**2.10 Ground water impacts:**		**2.11 Atmospheric impacts:**		**2.12 Soil impacts:**	
2.13 Own emergency response involved		**2.14 Fire prevention services involved**		**2.15 Government hazardous materials emergency response involved**		**2.16 More than 1 governmental emergency response service involved**	
1.17 Emission of non-toxic substances at low concentrations		**2.18 Emission of non-toxic substances at high concentrations**		**2.19 Emission of toxic substances at low concentrations**		**2.20 Emission of toxic substances at high concentrations**	

2.21 No evacuation required		**2.22 Immediate area evacuated**		**2.23 Immediate surrounds evacuated**		**2.24 Evacuation of the general public**	
25. Others							

3. INITIAL INCIDENT REPORT

In terms of section 30(3) of NEMA, the responsible person or, where the incident occurred in the course of that person´s employment, his or her employer must forthwith after knowledge of the incident, report through the most effective means reasonably available: (a) the nature of the incident; (b) any risks posed by the incident to public health, safety and property; (c) the toxicity of substances or by-products released by the incident; and (d) any steps that should be taken in order to avoid or minimise the effects of the incident on public health and the environment to: (i) the Director General; (ii) the South African Police Services and the relevant fire prevention service; (iii) the relevant provincial head of department or municipality; and (iv) all persons whose health may be affected by the incident.

3.1 Description	**3.2 Date:**	**3.3 Time:**	**3.4 Medium:**	**3.5. Name and contact details:**
Relevant fire prevention service: (in case of fire)	[submission date]	[submission time]	[Fax, phone, SMS, letter, etc.)	[Who was the report made to?]
LOCAL :				
PROVINCIAL: (Those deal with Environmental issues)				
DIRECTOR GENERAL: (Department of Environmental Affairs)				
Any other Director General of National Department, E.g. Department of Water Affairs				

4. INCIDENT DETAILS			
In terms of NEMA section 30(5)(a) and (d), the responsible person must report on the nature of the incident as well as the causes of the incident, whether direct or indirect, including equipment, technology, system, or management failure			
4.1 Location of the incident	[Provide physical address of the location where the incident happened including the GPS co-ordinates]		
4.2 Incident start date and time:		**4.3 Incident duration:**	
4.4 Duration of exposure:			
4.5. Incident description:			
Background of the incident: **Operation:** **Incident type:** **Root Cause of the incident:** **Contributory Factors to the incident:** **Conclusion:**			
4.6 Wind speed and direction		**4.7 Ambient air temperature**	
4.8 Weather conditions		**4.9 Other relevant meteorological conditions**	

5. POLLUTANTS RELEASED DURING INCIDENT

In terms of NEMA section 30(5)(b), the responsible person must report on the substances involved and an estimation of the quantity.

List all the pollutants directly released during the incident (i.e. exclude those pollutants that resulted from mitigation measures, e.g. flaring, treatment, dilution etc.)

5.6 Substance or mixture of substances	5.2 Reference Number	5.3 Phase eg solid, liquid or gas	5.4 Total Quantity emitted/ released	5.5 Units eg Kg, L etc	5.6 Nature of emission/ release
[The name recognised by any national or internationally recognised chemical referencing system]	[Reference to any national or internationally recognised chemical referencing system]	[solid, semi-solid, liquid or gas]	[the total measured or estimated quantity released into the environment]	[the unit of measure in respect to the quantity]	[Emitted from truck, underground pipe, stack, etc.]

6. SECONDARY POLLUTANTS RESULTING FROM INCIDENT

In terms of NEMA section 30(5)(b), the responsible person must report on the substances involved and an estimation of the quantity released.

List all the pollutants that resulted from mitigation measures, e.g. flaring, treatment, dilution etc.

6.1 Substance or mixture of substances	6.2 Reference Number	6.3 Phase	6.4 Total Quantity emitted/released	6.5 Unit	Nature of emission
[The name recognised by any national or internationally recognised chemical referencing system]	Reference to any national or internationally recognised chemical referencing system]	[solid, semi-solid, liquid or gas]	[the total measured or estimated quantity released into the environment]	[the unit of measure in respect to the quantity]	[Emitted from truck, underground pipe, stack, etc.]

7. POLLUTANT CONCENTRATIONS					
In terms of NEMA section 30(5)(b), the responsible person must report on the substances involved and an estimation of the quantity released.					
List all the pollutants detailed in previous section:					
7.1 Substance or mixture of sub-stances	**7.2 Reference Number**	**7.3 Estimated pollutant concentration on different radius**			
		7.3.1 10m	**7.3.2 100m**	**7.3.3 500m**	**7.3.4 >2000m**
[The name rec-ognised by any national or inter-nationally recog-nised chemical referenc-ing sys-tem]	[Reference to any national or inter-nationally recognised chemical referencing system]	[estimate the concentration of the pollutant in water, soil and/ or air within a 10m radius of the epicentre of the incident] [provide the units used in a case of estimat-ing concentra-tion (e.g. ppm]	[estimate the concentration of the pollut-ant in water, soil and/ or air within a 100m ra-dius of the epicentre of the incident] [provide the units used in a case of estimating concentration (e.g. ppm)]	[estimate the con-centration of the pollutant in water, soil and/or air within a 500m radius of the epicentre of the incident] [provide the units used in a case of estimating concen-tration (e.g. ppm)]	[estimate the con-centration of the pollutant in water, soil and/or air within a > 2000 m ra-dius of the epicentre of the incident] [provide the units used in a case of estimating concentra-tion (e.g. ppm)]

1 Concentration at the plume

2 Concentration that was falling on the ground

8. INCIDENT IMPACT	
In terms of NEMA section 30(5)(b), the responsible person must report on possible acute effects on persons and the environment and the responsible must provide data needed to assess these effects;	
8.1 Minor injuries	[Describe the number and types of any minor injuries that resulted from the incident or efforts to manage the incident or the impacts thereof]
8.2 Reportable injuries	[Describe the number and types of any injuries requiring statutory reporting that resulted from the incident or efforts to manage the incident or the impacts thereof]
8.3 Hospitalisation	[Describe the number and types of any injuries that required professional medical care that resulted from the incident or efforts to manage the incident or the impacts thereof]
8.4 Fatalities	[Describe the number and cause of any fatalities that resulted from the incident or efforts to manage the incident or the impacts thereof]
8.5 Biological impacts	[Describe any impacts on biological life, other than human life, e.g. fish kills, plant mortality, etc.]
8.6 Impact area	[Describe the area possibly affected by the incident or the impacts thereof including: (i) size of the area; (ii) socio-economic context; (iii) population density; (iv) sensitive environments (if any), etc.]
8.7 Data	Attach relevant impact reports, medical reports, death certificates, post mortem reports, environmental monitoring data, etc. as Annexes C1, C2,… to this report

9. EXISTING PREVENTION PROCEDURES AND/OR SYSTEMS	
9.1 Foresight	[Briefly describe whether the incident could have, or had, been foreseen, e.g. was it included in any environmental impact assessment, risk assessment, health and safety plan, etc.]
9.2 Procedures and/or systems	Attach any relevant safety, health and environmental plans (including any statutory planning requirements) that detail what actions should be taken in the event of the incident that is the subject of this report
9.3 Procedure and/or systems failures	[Describe any failures or shortfalls in procedures and/or systems that may have contributed to the incident] ***All procedures and checklist in place and signed off.***

9.4 Technical measures	[Describe any technical measures, equipment, 'fail-safe' devices, etc. that are in place to prevent the occurrence of the incident] Communications & discussions in place.
9.5 Technical failure	[Describe any failures of technical measures, equipment, 'fail-safe' devices, etc. that are in place to prevent the occurrence of the incident]

10. INITIAL INCIDENT MANAGEMENT	
In terms of NEMA section 30(5)(c), the responsible person must report on initial measures taken to minimise impacts.	
10.1 Evacuation	[Describe any evacuation activities including information on the number of people evacuated and whether these people were staff or otherwise]
10.2 Technical measures	[Describe all technical measures taken to address the incident]
10.3 Mitigation measures	[Describe all measures taken to minimize the impact] SOPEP gear activated
10.4 Emergency Services	[Describe any governmental emergency services involvement] SAMSA/TNPA advised

11. CLEANUP AND/OR DECONTAMINATION	
In terms of NEMA section 30(5)(c), the responsible person must report on initial measures taken to minimise impacts.	
11.1 Cleanup and/or decontamination	[Report on initial cleanup and or decontamination (remediation) measures taken to minimise the impact of the incident on human health and the environment. Provide copy of safe disposal certificate (if any)and details of the company that undertook the cleanup]
11.2 Permissions and Instructions	
Provide details of any permission and/or instructions received from any organ of state during initial incident management, cleanup and/or decontamination	

11. CLEANUP AND/OR DECONTAMINATION			
In terms of NEMA section 30(5)(c), the responsible person must report on initial measures taken to minimise impacts.			
11.3 Type	**11.4 Statute**	**11.5 Issued By**	**11.6 Name and contact details**
[Describe the nature or type of permission or instruction]	[Provide a reference to the legal mandate for the permission or instruction]	[Provide contact details for the permitting or instructing authority]	[provide a summary of the activities carried out in terms of the permission or instruction]

12. MITIGATION MEASURES			
In terms of NEMA section 30(5)(e), the responsible person must report on measures taken and to be taken to avoid a recurrence of such an incident.			
12. 1Measure	**12. 2 Objective**	**12.3 Cost**	**12.4 Timing**
[Briefly describe each of the measures taken, and to be taken, to avoid a recurrence of such incident]	[Briefly describe the objective of the measure, i.e. the desired outcome of the measure]	[Estimate the cost of the measure in terms of capital costs and/or recurrent costs]	[Provide information on the timing for the full implementation of the measure]

13. AUTHORISATIONS			
Provide details on all authorisations (including permits, licenses, certificates, etc.) in respect of the activity to which this incident relates.			
13.1 Type	**13.2 Statute**	**13.3 Issued By**	**13.4 Issue & Expiry Date**
[Describe the nature or type of authorisation, e.g. Registration Certificate]	[Provide the reference for the authorisation, e.g. section X of the National Environmental Management Act (Act No. 107 of 1989)]	[Provide contact details for the issuing authority]	[provide the date of issue and expiry]

14. HISTORY			
Provide details of all similar incidents involving the responsible person in the past (i.e. from 1998). Similar incidents include those that: (i) involved similar circumstances; (ii) involved similar emissions; (iii) involved similar personnel; and/or (iv) involved similar impacts.			
14.1 Incident title	**14.2 Report reference**	**14.3 Date of incident**	**14.4 Summary of event**
[Provide the title used in the relevant emergency incident report]	[Provide the reference in respect of the relevant emergency incident report]	[Date of incident]	[Provide a summary of the event]

Signed by, or as a mandated signatory for, the responsible person:		Date:	

APPENDIX 1

List of affected people as results of the incident

NAME	ADDRESS	PHONE	FAULT	REMARKS

APPENDIX 2

Layout map of the area likely to be affected or affected as a result of the incident

DISCLAIMER

Any other information not covered in the reporting template must be included.

CAUTION

In terms of section 30 (11) of NEMA as amended, you are further advised that failure to comply with subsections (3), (4) and (5) above constitutes an offence and you may be liable on conviction to a fine not exceeding R5 million or to imprisonment for a period not exceeding 5 years, and in the case of a second or subsequent conviction to a fine not exceeding R10 million or to imprisonment for a period not exceeding 10 years, and in both instances to both such fine and such imprisonment.

ANNEXURE 3 ALPHABETICAL LIST OF HAZARDOUS SUBSTANCES

NO.	NAME	CAS CODE	RQ FINAL
1	(4-Chloro-2-methylphenoxy) acetic acid	94-74-6	100
2	1-(2-(2,4-Dichlorophenyl)-2-(2- propeny-loxy)ethyl)-1H-imidazole	35554-44-0	10
3	1-(2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)-methyl-1H-1,2,4,- triazole	60207-90-1	1000
4	1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone	43121-43-3	100
5	1,1- Dimethoxyethane	534-15-6	10
6	1,1,1,2-Tetrachloroethane	630-20-6	50
7	1,1,1-Chlorodifluoroethane (Chlorodifluoroethane)	593-70-4	10
8	1,1,1-Trichloroethane	71-55-6	500
9	1,1,2,2-Tetrachloroethane	79-34-5	50
10	1,1,2-Trichloroethane	79-00-5	50
11	1,1,2-Trichloropropane	598-77-6	100
12	1,1-Dichloroethane	75-34-3	500
13	1,1-Dichloroethylene	75-35-4	50

NO.	NAME	CAS CODE	RQ FINAL
14	1,1-Dichloropropane	78-99-9	500
15	1,1-Dimethyl hydrazine	57-14-7	5
16	1,1-Dimethylhydrazine	630-20-6	100
17	1,1'-Thiobisethane	352-93-2	10
18	1,2- dibromobutan-3-one	533-98-2	10
19	1,2- Dichloroethylene (cis-1,2-Dichloroeth-ylene)	156-59-2	1000
20	1,2- Dichloroethylene, (mixed isomers)	540-59-0	1000
21	1,2,2-Trichloro-1,2,2-Trifluorethane	76-13-1	1000
22	1,2,3,4,6,7,8,9-octachlorodibenzofuran	39001-02-0	1
23	1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin	3268-87-9	1
24	1,2,3,6-Tetrahydrobenzaldehyde	100-50-5	10
25	1,2,3,6-Tetrahydropyridine	694-05-3	1000
26	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	19408-74-3	1
27	1,2,3,7,8-pentachlorodibenzofuran	57117-41-6	1
28	1,2,3-Trichlorobenzene	87-61-6	10

NO.	NAME	CAS CODE	RQ FINAL
29	1,2,3-Trichloropropane	96-18-4	100
30	1,2,4,5-Tetrachlorobenzene	95-94-3	2500
31	1,2,4-Tribromobenzene	615-54-3	10
32	1,2,4-Trichlorobenzene	120-82-1	50
33	1,2,4-Trimethylbenzene	95-63-6	10
34	1,2-Butylene oxide	106-88-7	50
35	1,2-di-(dimethylamino) ethane	110-18-9	10
36	1,2-Dibromo-3-chloropropane	96-12-8	0.5
37	1,2-Dibromoethane	106-93-4	0.5
38	1,2-Dichlorobenzene	95-50-1	50
39	1,2-dichloroethane	107-06-2	50
40	1,2-Dichloroethane	107-06-2	50
41	1,2-Dichloroethylene	156-60-5	500
42	1,2-Dichloroethylene	540-59-0	1000
43	1,2-Dichloropropane	78-87-5	500

NO.	NAME	CAS CODE	RQ FINAL
44	1,2-Diethoxyethane	629-14-1	10
45	1,2-Dimethoxyethane	110-71-4	10
46	1,2-Dimethylhydrazine	540-73-8	0.5
47	1,2-Dinitrobenzene	528-29-0	50
48	1,2-Diphenylhydrazine	122-66-7	5
49	1,2-Ethanediamine	107-15-3	2500
50	1,2-Propadiene	463-49-0	5000
51	1,3,5-Trimethylbenzene	108-67-8	10
52	1,3,5-Trinitrobenzene	99-35-4	5
53	1,3-Benzenedicarbonitrile, 2,4,5,6-tetra-chloro-	1897-45-6	1
54	1,3-Butadiene	106-99-0	5
55	1,3-Butadiene, 2-methyl-	78-79-5	50
56	1,3-dichloroacetone	534-07-6	5
57	1,3-Dichlorobenzene	541-73-1	50
58	1,3-Dichloropropane	142-28-9	500

NO.	NAME	CAS CODE	RQ FINAL
59	1,3-dichloropropanol-2	6323-82-6	10
60	1,3-Dichloropropene	542-75-6	50
61	1,3-Dichloropropylene	542-75-6	50
62	1,3-Dimethylbutylamine	108-09-8	10
63	1,3-Dinitrobenzene	99-65-0	50
64	1,3-Dioxolane	646-06-0	10
65	1,3-Pentadiene	504-60-9	50
66	1,3-Propane sultone	1120-71-4	5
67	1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a- tetrahydro-4,7-methano-1H-indene	76-44-8	0.5
68	1,4:5,8-Dimethanonaphthalene,1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro- 1.alpha.,4.alpha.,4a.beta.,5.alpha.,8. alpha.,8a.beta.)-	309-00-2	0.5
69	1,4-Diathane	505-29-3	100
70	1,4-Dibromobenzene	106-37-6	100
71	1,4-Dichloro-2-butene	764-41-0	0.5
72	1,4-Dichlorobenzene	106-46-7	50

NO.	NAME	CAS CODE	RQ FINAL
73	1,4-dicyano-butane, tetramethylenecyanide	111-69-3	500
74	1,4-Dimethylcyclohexanes	589-90-2	10
75	1,4-Dinitrobenzene	100-25-4	50
76	1,4-Dioxane	123-91-1	50
77	1,4-Naphthoquinone	130-15-4	2500
78	1,5, 9-cyclododecatriene	4904-61-4	10
79	1-Acetyl-2-thiourea	591-08-2	500
80	1-Aminobutane	109-73-9	500
81	1-bromo-2,3-epoxypropane (Epibromohydrine)	3132-64-7	1
82	1-bromo-3-chloropropane	109-70-6	10
83	1-bromo-3-methylbutane (Isoamyl bromide, Iso-bromopentane, 3-Methylbutyl bromide)	107-82-4	10
84	1-Buten-3-yne	689-97-4	5000
85	1-Butene	106-98-9	5000
86	1-Butyne	107-00-6	5000

NO.	NAME	CAS CODE	RQ FINAL
87	1-chloropropane (n-propyl chloride)	540-54-5	100
88	1-Chloropropylene	590-21-6	5000
89	1-Ethyl piperidine (N-Ethylpiperidine)	766-09-6	10
90	1H-Azepine-1 carbothioic acid, hexahydro-S-ethyl ester	2212-67-1	1
91	1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2- [(trichloromethyl)thio]-	133-06-2	5
92	1-Naphthalenol, methylcarbamate	63-25-2	50
93	1-Pentene	109-67-1	5000
94	1-Propanol	71-23-8	1000
95	1-Propene	115-07-1	5000
96	1-Propene, 1-chloro-	590-21-6	5000
97	1-Propene, 2-chloro-	557-98-2	5000
98	1-Propene, 2-methyl-	115-11-7	5000
99	1-Propyne	74-99-7	5000
100	2- and 3-Chloroanilines	108-42-10	10

NO.	NAME	CAS CODE	RQ FINAL
101	2- and 3-Chloroanilines	95-51-2	10
102	2- Butanone (s)	78-93-3	10
103	2-(1-(Ethoxyimino) butyl)-5-(2-(ethylthio) propyl)-3-hydroxyl-2- cyclohexen-1-one	74051-80-2	10
104	2-(2-aminoethoxy) ethanol or (Diglycolamine)	929-06-6	10
105	2-(4-((6-Chloro-2-quinoxalinyl)oxy]phenoxy) propanoic acid ethyl ester quinoxalinyl)oxy] phenoxy) propanoic acid ethyl ester	76578-14-8	1000
106	2-(4-Methoxy-6-methyl-1,3,5-triazin-2-yl-methylamino-carbonyl-amino-sulfonyl) benzoic acid, methyl ester	101200-48-0	1000
107	2-(Dibutylamino)Ethanol	102-81-8	100
108	2,2,3,3-Tetramethylcyclopropane carboxylic acid cyano(3- phenoxyphenyl)methyl ester	39515-41-8	1
109	2,2,4-Trimethylpentane	540-84-1	500
110	2,2'-Bioxirane	1464-53-5	5
111	2,2-Dichloropropionic acid	75-99-0	2500
112	2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate	22781-23-3	50

NO.	NAME	CAS CODE	RQ FINAL
113	2,2-Dimethylpropane	463-82-1	5000
114	2,2-dimethyl-propane (Neopentane) other than pentane and its isomers.	463-82-1	5000
115	2,3,4,6-Tetrachlorophenol	58-90-2	5
116	2,3,4,7,8-pentachlorodibenzofuran	57117-31-4	1
117	2,3,4-Trichlorophenol	15950-66-0	5
118	2,3,5-Trichlorophenol	933-78-8	5
119	2,3,6-Trichlorophenol	933-75-5	5
120	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1746-01-6	0.5
121	2,3,-Dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide	55290-64-7	100
122	2,3-Dichloropropanol	616-23-9	100
123	2,3-Dichloropropene	78-88-6	50
124	2,3-Dihydropyran	110-87-2	10
125	2,3-Dimethylbutane	79-29-8	10
126	2,4,5-T acid	93-76-5	500

NO.	NAME	CAS CODE	RQ FINAL
127	2,4,5-T amines	1319-72-8	2500
128	2,4,5-T amines	2008-46-0	2500
129	2,4,5-T amines	3813-14-7	2500
130	2,4,5-T amines	6369-96-6	2500
131	2,4,5-T amines	6369-97-7	2500
132	2,4,5-T esters	1928-47-8	500
133	2,4,5-T esters	25168-15-4	500
134	2,4,5-T esters	2545-59-7	500
135	2,4,5-T esters	61792-07-2	500
136	2,4,5-T esters	93-79-8	500
137	2,4,5-T salts	13560-99-1	500
138	2,4,5-TP esters	32534-95-5	50
139	2,4,5-Trichlorophenol	95-95-4	5
140	2,4,5-Trichlorophenoxyacetic acid	93-76-5	500
141	2,4,6 Trimethylpyridine	108-75-8	100

NO.	NAME	CAS CODE	RQ FINAL
142	2,4,6-Trichloroaniline	634-93-5	100
143	2,4,6-Trichlorophenol	88-06-2	5
144	2,4-D	94-75-7	50
145	2,4-D Acid	94-75-7	50
146	2,4-D butoxyethyl ester	1929-73-3	50
147	2,4-D butyl ester	94-80-4	50
148	2,4-D chlorocrotyl ester	2971-38-2	50
149	2,4-D Esters	1320-18-9	50
150	2,4-D Esters	1928-38-7	50
151	2,4-D Esters	1928-61-6	50
152	2,4-D Esters	1929-73-3	50
153	2,4-D Esters	25168-26-7	50
154	2,4-D Esters	2971-38-2	50
155	2,4-D Esters	53467-11-1	50
156	2,4-D Esters	94-11-1	50

NO.	NAME	CAS CODE	RQ FINAL
157	2,4-D Esters	94-79-1	50
158	2,4-D Esters	94-80-4	50
159	2,4-D isopropyl ester	94-11-1	50
160	2,4-D propylene glycol butyl ether ester	1320-18-9	50
161	2,4-D, salts and esters	94-75-7	50
162	2,4-DB	94-82-6	10
163	2,4-Diaminotoluene	95-80-7	5
164	2,4-Dichlorophenol	120-83-2	50
165	2,4-Dimethylphenol	105-67-9	50
166	2,4-Dinitroaniline	97-02-9	100
167	2,4-Dinitrophenol	51-28-5	5
168	2,4-Dinitrotoluene	121-14-2	5
169	2,4-Dithiobiuret	541-53-7	50
170	2,4-Toluylenediamine	95-80-7	5
171	2,5-Dinitrophenol	329-71-5	5

NO.	NAME	CAS CODE	RQ FINAL
172	2,5-Xylenol	95-87-4	10
173	2,6-diamine Toluene	823-40-5	5
174	2,6-Dichlorophenol	87-65-0	50
175	2,6-Dimethyl-4-heptanone	108-83-8	10
176	2,6-Dimethylphenol	576-26-1	100
177	2,6-Dinitrophenol	573-56-8	5
178	2,6-Dinitrotoluene	606-20-2	50
179	2-Acetylaminofluorene	53-96-3	0.5
180	2-amino-4,6-dinitrophenol (Picramic Acid)	96-91-3	10
181	2-amino-4-chlorophenol	95-85-2	10
182	2-amino-5-diethylaminopentane	140-80-7	10
183	2-Aminobenzotrifluoruride (2-(Trifluoromethyl) aniline)	88-17-5	10
184	2-bromo-2-nitropropane-1,3-diol	52-51-7	10
185	2-Bromobutane	78-76-2	10
186	2-bromoethyl ethyl ether	592-55-2	10

NO.	NAME	CAS CODE	RQ FINAL
187	2-bromopentane	107-81-3	10
188	2-Butenal	4170-30-3	50
189	2-Butenal, (e)-	123-73-9	50
190	2-Butene	107-01-7	5000
191	2-Butene, (E)	624-64-6	5000
192	2-Butene, 1,4-dichloro-	764-41-0	0.5
193	2-Butene-cis	590-18-1	5000
194	2-Butene-trans	624-64-6	5000
195	2-Butoxyethanol	111-76-2	1000
196	2-Butyne	503-17-3	10
197	2-Chloranilines	95-51-2	1
198	2-chloro-1,1-difluoro-ethane	25497-29-4	10
199	2-Chloro-1,3-butadiene	126-99-8	50
200	2-Chloro-4-nitroaniline	121-87-9	1
201	2-Chloro-6-(trichloromethyl)pyridine	1929-82-4	10

NO.	NAME	CAS CODE	RQ FINAL
202	2-Chloroacetophenone	532-27-4	50
203	2-Chlorobenzotrifluoride	88-16-4	10
204	2-chloroethanol (Ethylene Chlorohydrins)	107-07-3	250
205	2-Chloroethyl vinyl ether	110-75-8	500
206	2-Chloro-N-(((4-methoxy-6-methyl-1,3,5-triazin-2- yl)amino] carbonyl)benzenesulfo-namide	64902-72-3	1
207	2-Chloro-N-(1-methylethyl)-N-phenylacetamide	1918-16-7	1000
208	2-Chloro-N-(2-chloroethyl)-N-methylethanamine	51-75-2	5
209	2-Chloronaphthalene	91-58-7	2500
210	2-Chlorophenol	95-57-8	50
211	2-chloropropene (2-Chloro-1-propene)	557-98-2	5000
212	2-chloropropionic acid	598-78-7	10
213	2-Chloropropylene	557-98-2	5000
214	2-chloropyridine	109-09-1	10
215	2-Chlorotoluene	95-49-8	10

NO.	NAME	CAS CODE	RQ FINAL
216	2-Cyclohexyl-4,6-dinitrophenol	131-89-5	50
217	2-dimethylaminoacetonitrile	926-64-7	10
218	2-dimethylaminoethyl acrylate	2439-35-2	10
219	2-Ethoxyethanol	110-80-5	500
220	2-Ethoxyethyl acetate (ethylene glycol monoethyl ether acetate)	111-15-9	10
221	2-Ethylaniline	578-54-1	100
222	2-Ethylbutanol (Ethylene glycol dimethacrylate)	97-95-0	10
223	2-Ethylbutyl Acetate	10031-87-5	10
224	2-Ethylbutyraldehyde	97-96-1	10
225	2-Ethylhexanal	123-05-7	10
226	2-Ethylhexanol	104-76-7	100
227	2-Hexanes	591-78-6	1000
228	2-Hydroxyethylamine	9007-33-4	10
229	2-Methoxyethanol	109-86-4	100

NO.	NAME	CAS CODE	RQ FINAL
230	2-Methoxyethyl acetate	110-49-6	10
231	2-Methyl-1-butene	563-46-2	5000
232	2-Methyl-2-butene	513-35-9	10
233	2-Methyl-4,6-dinitrophenol	534-52-1	5
234	2-methylaniline (o-Toluidine)	95-53-4	50
235	2-Methylfuran	534-22-5	10
236	2-Methyllactonitrile	75-86-5	5
237	2-Methylpropene	115-11-7	5000
238	2-Methylpyridine	109-06-8	2500
239	2-Nitrophenol	88-75-5	50
240	2-Nitropropane	79-46-9	5
241	2-Pentene, (E)-	646-04-8	5000
242	2-Pentene, (Z)-	627-20-3	5000
243	2-Picoline	109-06-8	2500
244	2-Propanamine	75-31-0	5000

NO.	NAME	CAS CODE	RQ FINAL
245	2-Propen-1-amine	107-11-9	250
246	2-Propen-1-ol	107-18-6	50
247	2-Propenal	107-02-8	0.5
248	2-Propenenitrile	107-13-1	50
249	2-Propenenitrile, 2-methyl-	126-98-7	250
250	2-Propenoyl chloride	814-68-6	50
251	2-Vinylpyridine	100-69-6	100
252	3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, cyano(4-fluoro-3- phenoxyphenyl)methyl ester	68359-37-5	100
253	3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid, (3-phenoxy-phenyl)methyl ester	52645-53-1	1
254	3-(2,4-Dichloro-5-(1- methylethoxy)phenyl)-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one	19666-30-9	10
255	3-(3,5-Dichlorophenyl)-5-ethenyl-5- methyl-2,4-oxazolidinedione	50471-44-8	100
256	3,3,5-Trimethylhexamethylenediamine (Trimethylhexamethylenediamine)	25513-64-8	10

NO.	NAME	CAS CODE	RQ FINAL
257	3,3'-Dichlorobenzidine	91-94-1	0.5
258	3,3-Diethoxypropene (Acrolein diethylacetal)	3054-95-3	10
259	3,3'-Dimethoxybenzidine	119-90-4	50
260	3,3'-Dimethylbenzidine	119-93-7	5
261	3,4,5-Trichlorophenol	609-19-8	5
262	3,4-Dimethylphenol	95-65-8	100
263	3,4-Dinitrotoluene	610-39-9	5
264	3,5-Dibromo-4-hydroxybenzonitrile	1689-84-5	1
265	3,5-Xylidine	108-69-0	100
266	3,6-Dichloro-2-methoxybenzoic acid	1918-00-9	500
267	3-Aminobenzotrifluoruride (3-(Trifluoromethyl) aniline)	98-16-8	250
268	3-Bromopropyne	106-96-7	5
269	3-Chloro-1,2-dihydroxypropane (Glycerol monochlorohydrin)	96-24-2	10
270	3-Chloro-4-toluidine	95-74-9	10

NO.	NAME	CAS CODE	RQ FINAL
271	3-C -1	UN2849	10
272	3-Chloro-propene	107-05-1	500
273	3-Chloropropionitrile	542-76-7	500
274	3-Diethylaminopropylamine	104-78-9	10
275	3-Hydroxypropionitrile	109-78-4	1000
276	3-Methyl-1-butene	563-45-1	5000
277	3-Methylcholanthrene	56-49-5	5
278	3-Pentanone	96-22-0	10
279	4- Chloroaniline	106-47-8	500
280	4- Chlorophenol	106-48-9	10
281	4-(Dipropylamino)-3,5-dinitrobenzenesulfonamide	19044-88-3	10
282	4,4-Diaminodiphenyl methane (p,p-methylene dianiline)	101-77-9	5
283	4,4-Diaminodiphenylamine	537-65-5	10
284	4,4’-Dichlorobenzophenone	90-98-2	1

NO.	NAME	CAS CODE	RQ FINAL
285	4,4'-Isopropylidenediphenol	80-05-7	10
286	4,4'-Methylenebis(2-chloroaniline)	101-14-4	5
287	4,4'-Methylenebis(N,N-dimethyl)benze-namine	101-61-1	1000
288	4,4'-Methylenedianiline	101-77-9	5
289	4,6-Dinitro-o-cresol	534-52-1	5
290	4,6-Dinitro-o-cresol and salts	534-52-1	5
291	4,7-Methanoindan, 1,2,3,4,5,6,7,8,8- octa-chloro-2,3,3a,4,7,7a-hexahydro-	57-74-9	0.5
292	4-Aminobiphenyl	92-67-1	0.5
293	4-Aminopyridine	504-24-5	500
294	4-Bromophenyl phenyl ether	101-55-3	50
295	4-Chloro-2-methylaniline HCl (4-chloro-or-tho-toluidine hydrochloride solution (4-chloro-o-toluidine hydrochloride, solid)	3165-93-3	50
296	4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)- pyridazinone	27314-13-2	10
297	4-Chloro-alpha-(1-methylethyl)benzene-acetic acid cyano(3-phenoxyphenyl)methyl ester	51630-58-1	100

NO.	NAME	CAS CODE	RQ FINAL
298	4-Chlorobenzotrifluoride	98-56-6	1000
299	4-Chloro-o-toluidine, hydrochloride	3165-93-3	50
300	4-Chlorophenyl phenyl ether	7005-72-3	2500
301	4-Dimethylaminoazobenzene	60-11-7	5
302	4-Methoxy-4-methyl-pentan-2-one	107-70-0	10
303	4-Nitrobiphenyl	92-93-3	5
304	4-Nitrophenol	100-02-7	50
305	4-Thiapentanal	3268-49-3	10
306	5-(2-Chloro-4-(trifluoromethyl)phenox-y)-2-nitro-2- ethoxy-1-methyl-2-oxoethyl ester	77501-63-4	1000
307	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-N-methylsulfonyl)-2-nitrobenzamide	72178-02-0	1000
308	5-(Aminomethyl)-3-isoxazolol	2763-96-4	500
309	5-(Phenylmethyl)-3-furanyl)methyl 2,2-di-methyl-3-(2-methyl-1- propenyl)cyclopro-panecarboxylate	10453-86-8	1000
310	5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide	5234-68-4	10

NO.	NAME	CAS CODE	RQ FINAL
311	5-Chloro-3-(1,1-dimethylethyl)-6- methyl-2,4(1H,3H)-pyrimidinedione	5902-51-2	100
312	5-Fluorouracil	51-21-8	250
313	5-Methylhexan-2-one	110-12-3	10
314	5-Nitro-o-anisidine	99-59-2	1
315	5-Nitro-o-toluidine	99-55-8	50
316	6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine	1912-24-9	100
317	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5
318	Acenaphthene	83-32-9	50
319	Acenaphthylene	208-96-8	2500
320	Acephate	30560-19-1	1000
321	Acetal	105-57-7	100
322	Acetaldehyde	75-07-0	500
323	Acetaldehyde ammonia	75-39-8	10
324	Acetaldehyde oxime	107-29-9	10

NO.	NAME	CAS CODE	RQ FINAL
325	Acetaldehyde, trichloro-	75-87-6	2500
326	Acetamide	60-35-5	50
327	Acetic acid	64-19-7	2500
328	Acetic acid ethenyl ester	108-05-4	500
329	Acetic acid, (2,4-dichlorophenoxy)-	94-75-7	50
330	Acetic anhydride	108-24-7	2500
331	Acetochlor	34256-82-1	1
332	Acetone	67-64-1	2500
333	Acetone cyanohydrin	75-86-5	5
334	Acetone oils	UN1091	10
335	Acetone thiosemicarbazide	1752-30-3	500
336	Acetonitrile	75-05-8	2500
337	Acetophenone	98-86-2	2500
338	Acetyl acetone	123-54-6	100
339	Acetyl bromide	506-96-7	2500

NO.	NAME	CAS CODE	RQ FINAL
340	Acetyl chloride	75-36-5	2500
341	Acetyl iodide	507-02-8	10
342	Acetyl ketene	674-82-8	10
343	Acetyl methyl carbinol	513-86-0	10
344	Acetylene	74-86-2	5000
345	Acetylphosphoramidothioic acid O,S-dimethyl ester	30560-19-1	1000
346	Acid mixtures, hydrofluoric and sulphuric	7664-39-3	10
347	Acid mixtures, hydrofluoric and sulphuric	7664-93-10	10
348	Acid mixtures, nitrating acid, spent, free from xplosives	None	10
349	Acrolein	107-02-8	0.5
350	Acrolein dimer, stabilised (2-formyl-3, 4-di-hydro-2Hpyran)	100-73-2	100
351	Acrylamide	79-06-1	2500
352	Acrylic acid	79-10-7	2500
353	Acrylonitrile	107-13-1	50

NO.	NAME	CAS CODE	RQ FINAL
354	Acrylyl chloride	814-68-6	50
355	Actidione	66-81-9	50
356	Adipic acid	124-04-9	2500
357	Adiponitrile	111-69-3	500
358	Air, compressed	None	10
359	Air, refrigerated, liquid (Cryogenic liquid)	132259-10-0	10
360	Aircraft hydraulic power unit fuel (M86 fuel)	UN3165	10
361	Alachlor	15972-60-8	10
362	Alcohol (industrial, denatured methylated spirit, N.O.S.)	6417-5	1000
363	Alcoholates solution	UN3274	10
364	Alcoholic Beverages, with more than 70% alcohol by volume		10
365	Aldehydes	UN1989	10
366	Aldehydes, Flammable, toxic	UN1988	10
367	Aldicarb	116-06-3	0.5
368	Aldicarb sulfone	1646-88-4	50

NO.	NAME	CAS CODE	RQ FINAL
369	Aldol	107-89-1	10
370	Aldrin	309-00-2	0.5
371	Alkali earth metal alcoholates, N.O.S	None	100
372	Alkali earth metal amalgam, solid	UN 1389	100
373	Alkali metal alcoholates, self-heating, corrosive	UN3206	100
374	Alkali metal alloys, liquid, n.o.s	UN 1421	100
375	Alkali metal amalgam, liquid	UN1389	100
376	Alkali metal amides	UN 1390	100
377	Alkali metal dispersion	UM1391	100
378	Alkali metal,alloy, liquid, n.o.s	UN1421	100
379	Alkaloids, liquid	UN3140	10
380	Alkaloids, solid	UN1544	10
381	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with more than 5 percent free sulfuric acid	UN2584	100

NO.	NAME	CAS CODE	RQ FINAL
382	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with not more than 5 percent free sulfuric acid	UN2586	100
383	Alkyl, aryl and toluene sulphuric acids, liquid, gelling, containing not more than 5 percent of free sulphuric acid	UN2586	10
384	Alkyl, aryl and toluene sulphuric acids. Liquid, non-gelling, containing not more than 5 percent of free sulphuric acid.	UN3145	10
385	Alkylphenols, liquid, N.O.S (including C2-C12 homologues)	UN 2430	10
386	Alkylphenols, solid, N.O.S (including C2-C12 homologues)	UN2583/	10
387	Alkylsulfonic acids, solid	UN2585	10
388	Allyl acetate	591-87-7	10
389	Allyl alcohol	107-18-6	50
390	Allyl bromide	106-95-6	10
391	Allyl chloride	107-05-1	500
392	Allyl chloroformate	2937-50-0	10
393	Allyl ether	557-40-4	10

NO.	NAME	CAS CODE	RQ FINAL
394	Allyl ethyl ether	557-31-3	10
395	Allyl formate	1838-59-1	10
396	Allyl glycidyl ether	106-92-3	10
397	Allyl iodide (3-Iodo-1-propene)	556-56-9	10
398	Allylamine	107-11-9	250
399	Allyltrichlorosilane, Stabilized	107-37-9	10
400	alpha - Endosulfan	959-98-8	0.5
401	alpha-BHC	319-84-6	5
402	Alpha-Chloropropionic acid	39060-20-3	10
403	Alpha-Hexachlorocyclohexane	319-84-6	5
404	Alpha-Methyl valeraldehyde	123-15-9	10
405	Alpha-Naphthylamine	134-32-7	50
406	Alpha-Pinene	80-56-8	10
407	Aluminium alkyl halides	UN3052	10
408	Aluminium Alkyl halides, solid	UN3461	10

NO.	NAME	CAS CODE	RQ FINAL
409	Aluminium Alkyl hydrides	UN3076	10
410	Aluminium Alkyls	UN3374, T21	10
411	Aluminium Borohydride	16962-07-5	10
412	Aluminium bromide	7727-15-3	10
413	Aluminium chloride, anhydrous and solution	7446-70-0	100
414	Aluminium ferrosilicon powder	UN1395	10
415	Aluminium hydride	7784-21-6	1
416	Aluminium nitrate	13473-90-0	10
417	Aluminium silicon powder, uncoated	UN1398	10
418	Aluminium triethyl	97-93-8	10
419	Aluminium trimethyl	75-24-1	10
420	Aluminum (fume or dust)	7429-90-5	10
421	Aluminum phosphide	20859-73-8	50
422	Aluminum sulphate	10043-01-3	2500
423	Ametryn	834-12-8	10

NO.	NAME	CAS CODE	RQ FINAL
424	Aminobutane	109-73-9	500
425	Aminodimethylbenzene	1300-73-8	100
426	Aminophenols	27598-85-2	10
427	Aminopterin	54-62-6	250
428	Aminopyridines (o-; m-; p-)	UN2671	10
429	Amiton	78-53-5	250
430	Amiton oxalate	3734-97-2	50
431	Amitraz	33089-61-1	10
432	Amitrole	61-82-5	5
433	Ammonia	7664-41-7	50
434	Ammonium acetate	631-61-8	2500
435	Ammonium arsenate	7784-44-3	1
436	Ammonium benzoate	1863-63-4	2500
437	Ammonium bicarbonate	1066-33-7	2500
438	Ammonium bichromate	7789-09-5	5

NO.	NAME	CAS CODE	RQ FINAL
439	Ammonium bifluoride	1341-49-7	50
440	Ammonium bisulphate	7803-63-6	1
441	Ammonium bisulphite	10192-30-0	2500
442	Ammonium carbamate	1111-78-0	2500
443	Ammonium carbonate	506-87-6	2500
444	Ammonium chloride	12125-02-9	2500
445	Ammonium chromate	7788-98-9	5
446	Ammonium citrate, dibasic	3012-65-5	2500
447	Ammonium dinitro-o-cresolate, solid	29595-25-3	10
448	Ammonium dinitro-o-cresolate, solution	UN 3424	10
449	Ammonium fluoborate	13826-83-0	2500
450	Ammonium fluoride	12125-01-8	50
451	Ammonium fluorosilicate	16919-19-0	500
452	Ammonium hydrogen sulphate	7803-63-6	1
453	Ammonium hydrogendifluoride, solid or solution	1341-49-7	50

NO.	NAME	CAS CODE	RQ FINAL
454	Ammonium hydroxide	1336-21-6	500
455	Ammonium nitrate Gel/emulsion/hot concentrated solution	6484-52-2	10
456	Ammonium nitrate, containing not more than 0,2 % of combustible substances, including any organic substances calculated as carbon, to the exclusion of any other added substances	UN0222	10
457	Ammonium oxalate	14258-49-2	2500
458	Ammonium oxalate	5972-73-6	2500
459	Ammonium oxalate	6009-70-7	2500
460	Ammonium perchlorate	7790-98-9	10
461	Ammonium persulphate	7727-54-0	10
462	Ammonium picrate	131-74-8	5
463	Ammonium polysulfide solution	9080-17-5	10
464	Ammonium silicofluoride	16919-19-0	500
465	Ammonium solution	1336-21-6	500
466	Ammonium sulfamate	7773-06-0	2500

NO.	NAME	CAS CODE	RQ FINAL
467	Ammonium sulfide	12135-76-1	50
468	Ammonium sulphite	10196-04-0	2500
469	Ammonium tartrate	14307-43-8	2500
470	Ammonium tartrate	3164-29-2	2500
471	Ammonium thiocyanate	1762-95-4	2500
472	Ammonium vanadate	7803-55-6	500
473	Ammoniumpolyvanadate	11115-67-6	10
474	Ammunition smoke, white phosphorous with burster, expelling charge, or propelling charge	UN0245	10
475	Ammunition, illuminating with or without burster, expelling charge or propelling charge	UN0171	10
476	Ammunition, illuminating with or without burster, expelling charge or propelling charge	UN0254	10
477	Ammunition, illuminating with or without burster, expelling charge or propelling charge	UN0297	10
478	Ammunition, incendiary liquid or gel, with burster, expelling charge or propelling charge	UN0247	10

NO.	NAME	CAS CODE	RQ FINAL
479	Ammunition, incendiary with or without burster, expelling charge, or propelling charge	UN0009	10
480	Ammunition, incendiary with or without burster, expelling charge, or propelling charge	UN0010	10
481	Ammunition, incendiary with or without burster, expelling charge, or propelling charge	UN0300	10
482	Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge	UN0243	10
483	Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge	UN0244	10
484	Ammunition, practice	UN0362	10
485	Ammunition, practice	UN0488	10
486	Ammunition, proof	UN0363	10
487	Ammunition, smoke	UN 0245	10
488	Ammunition, smoke with or without burster, expelling charge or propelling charge	UN0015	10
489	Ammunition, smoke with or without burster, expelling charge or propelling charge	UN0016	10

NO.	NAME	CAS CODE	RQ FINAL
490	Ammunition, smoke, white phosphorus with burster, expelling charge, or propelling charge	UN0246	10
491	Ammunition, toxic with burster, expelling charge, or propelling charge	UN0020	10
492	Ammunition, toxic with burster, expelling charge, or propelling charge	UN0021	10
493	Ammunition, Incendiary	UN 0243	10
494	Amosite	12172-73-5	1
495	Amphetamine	300-62-9	500
496	Amyl acetate	628-63-7	2500
497	Amyl acid phosphate	12789-46-7	10
498	Amyl alcohol	71-41-0	1000
499	Amyl alcohols (Amyl alcohol, primary, secondary and tertiary 2 methyl butan-2-ol)	75-85-4	10
500	Amyl butyrates	UN2620	10
501	Amyl chloride	543-59-9	10
502	Amyl formate	638-49-3	10

NO.	NAME	CAS CODE	RQ FINAL
503	Amyl mercaptan	110-66-7	10
504	Amyl methyl ketone (n-amyl methyl ketone)	110-43-0	10
505	Amyl nitrate	1002-16-0	10
506	Amyl nitrite	110-46-3	10
507	Amylamine	110-58-7	10
508	Amylene, normal	109-67-1	5000
509	Aniline	62-53-3	500
510	Aniline (Aniline oil, phenylamine, amin-obenzene)	142-04-1	1000
511	Aniline, 2,4,6-trimethyl-	88-05-1	250
512	Anisidines	536-90-3	10
513	Anisole	100-66-3	100
514	Anisoyl chloride	100-07-2	10
515	Anthracene	120-12-7	2500
516	Antimony	7440-36-0	2500

NO.	NAME	CAS CODE	RQ FINAL
517	Antimony chloride or Antimony trichloride (antimonious chloride), caustic antimony, butter of antimony, mineral butter	10025-91-9	500
518	Antimony lactate	58164-88-8	10
519	Antimony pentachloride	7647-18-9	500
520	Antimony pentafluoride	7783-70-2	250
521	Antimony pentoxide	1314-60-9	100
522	Antimony Potassium Tartrate	11071-15-1	1
523	Antimony potassium tartrate	28300-74-5	50
524	Antimony sodium tartrate	34521-09-0	1
525	Antimony tetroxide	1332-81-6	100
526	Antimony tribromide	7789-61-9	500
527	Antimony trichloride	10025-91-9	500
528	Antimony trifluoride	7783-56-4	500
529	Antimony trioxide	1309-64-4	500
530	Antimycin A	1397-94-0	500

NO.	NAME	CAS CODE	RQ FINAL
531	ANTU	86-88-4	50
532	Apollo (clofentezine)	74115-24-5	1000
533	Aramite (sulphurous acid, 2-chloroethyl-, 2-[4-(1,1-dimethylethyl) phenoxy]- 1-methylethyl ester)	140-57-8	1
534	Argon	7440-37-1	10
535	Aroclor 1016	12674-11-2	0.5
536	Aroclor 1221	11104-28-2	0.5
537	Aroclor 1232	11141-16-5	0.5
538	Aroclor 1242	53469-21-9	0.5
539	Aroclor 1248	12672-29-6	0.5
540	Aroclor 1254	11097-69-1	0.5
541	Aroclor 1260	11096-82-5	0.5
542	Arsenic	7440-38-2	0.5
543	Arsenic (iii) bromide	7784-33-0	1
544	Arsenic acid	7778-39-4	0.5

NO.	NAME	CAS CODE	RQ FINAL
545	Arsenic bromide	64973-06-4	1
546	Arsenic disulfide	1303-32-8	0.5
547	Arsenic dust	8028-73-7	1
548	Arsenic pentoxide	1303-28-2	0.5
549	Arsenic trioxide	1327-53-3	0.5
550	Arsenic trisulfide	1303-33-9	0.5
551	Arsenical pesticide	UN2759	10
552	Arsenical pesticides	UN2760	10
553	Arsenical pesticides	UN2993	10
554	Arsenical pesticides	UN2994	10
555	Arsenous oxide	1327-53-3	0.5
556	Arsenous trichloride	7784-34-1	0.5
557	Arsine	7784-42-1	50
558	Aryl sulfonic acids	25321-41-9	10
559	Asbestos (friable)	1332-21-4	0.5

NO.	NAME	CAS CODE	RQ FINAL
560	Asbestos blue	1332-21-4	0.5
561	Asbestos brown	NA2212	1
562	Asbestos white	12001-29-5	1
563	Assure	76578-14-8	1000
564	Asulam	3337-71-1	1000
565	Atrazine	1912-24-9	100
566	Auramine	492-80-8	50
567	Avermectin B1	65195-55-3	1
568	Azaserine	115-02-6	0.5
569	Azinphos-ethyl	2642-71-9	50
570	Azinphos-methyl	86-50-0	0.5
571	Aziridine	151-56-4	0.5
572	Aziridine, 2-methyl	75-55-8	0.5
573	Azobenzene	103-33-3	1000
574	Azodicarbonamide	123-77-3	100

NO.	NAME	CAS CODE	RQ FINAL
575	Barban	101-27-9	5
576	Barium	7440-39-3	100
577	Barium and its salts except barium sulphate		1
578	Barium binoxide, Barium peroxide (Barium dioxide/Barium superoxide)	1304-29-6	100
579	Barium bromate	13967-90-3	100
580	Barium chlorate	13477-00-4	10
581	Barium compounds, n.o.s.	UN 1564	10
582	Barium cyanide	542-62-1	5
583	Barium hypochlorite	13477-10-6	10
584	Barium nitrate	10022-31-8	10
585	Barium oxide	1304-28-5	100
586	Barium perchlorate	13465-95-7	10
587	Barium permanganate	7787-36-2	10
588	Barium selenate	7787-41-9	10
589	Barium selenite	13718-59-7	1

NO.	NAME	CAS CODE	RQ FINAL
590	Batteries, containing sodium	UN 3292	10
591	Batteries, dry, containing potassium hydroxide solid	UN3028	10
592	Batteries, wet, filled with acid, or alkali	UN 2795	10
593	Battery fluid, acid	UN 2796	10
594	Battery fluid, alkali	UN 2797	10
595	Baygon	114-26-1	50
596	Bayleton	43121-43-3	100
597	Bendiocarb	22781-23-3	50
598	Bendiocarb phenol	22961-82-6	500
599	Benefin	1861-40-1	10
600	Benezene thiol	108-98-5	50
601	Benezeneamine, 2,6-dinitro-N,N- dipropyl-4-(trifluoromethyl)-	1582-09-8	5
602	Benfluralin	1861-40-1	10
603	Benomyl	17804-35-2	5
604	Bentazon	25057-89-0	1000

NO.	NAME	CAS CODE	RQ FINAL
605	Benz[a]anthracene	56-55-3	5
606	Benz[c]acridine	225-51-4	50
607	Benzal chloride	98-87-3	250
608	Benzaldehyde	100-52-7	10
609	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl	23950-58-5	2500
610	Benzenamine, 3-(trifluoromethyl)-	98-16-8	250
611	Benzene	71-43-2	5
612	Benzene, 1-(chloromethyl)-4-nitro-	100-14-1	250
613	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis [4-methoxy-	72-43-5	0.5
614	Benzene, 1,3-diisocyanato-2-methyl-	91-08-7	50
615	Benzene, 1,3-diisocyanatomethyl-	26471-62-5	50
616	Benzene, 2,4-diisocyanato-1-methyl-	584-84-9	50
617	Benzene, m-dimethyl-	108-38-3	500
618	Benzene, o-dimethyl-	95-47-6	500

NO.	NAME	CAS CODE	RQ FINAL
619	Benzene, p-dimethyl-	106-42-3	50
620	Benzeneacetic acid, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-hydroxy-, ethyl ester	510-15-6	5
621	Benzenearsonic acid	98-05-5	5
622	Benzeneethanamine, alpha,alpha-dimethyl-	122-09-8	2500
623	Benzenemethanol, 4-chloro-.alpha.-4-chlorophenyl)-.alpha.- (trichloromethyl)-	115-32-2	5
624	Benzenesulfonyl chloride	98-09-9	50
625	Benzidine	92-87-5	0.5
626	Benzimidazole, 4,5-dichloro-2-(trifluoromethyl)-	3615-21-2	250
627	Benzinethiol	108-98-5	50
628	Benzo(a)phenanthrene	218-01-9	50
629	Benzo(k)fluoranthene	207-08-9	2500
630	Benzo(rst)pentaphene	189-55-9	5
631	Benzo[a]pyrene	50-32-8	0.5

NO.	NAME	CAS CODE	RQ FINAL
632	Benzo[b]fluoranthene	205-99-2	0.5
633	Benzo[g,h,i]perylene	191-24-2	2500
634	Benzoic acid	65-85-0	2500
635	Benzoic acid, 3-amino-2,5-dichloro-	133-90-4	50
636	Benzoic acid, 5-(2-chloro-4-(trifluoromethyl) phenoxy)-2-nitro-, 2- ethoxy-1-methyl-2-ox-ethyl ester	77501-63-4	1000
637	Benzoic trichloride	98-07-7	5
638	Benzonitrile	100-47-0	2500
639	Benzoquinone	106-51-4	5
640	Benzotrichloride	98-07-7	5
641	Benzotrifluoride	98-08-8	10
642	Benzoyl chloride	98-88-4	500
643	Benzoyl peroxide	94-36-0	100
644	Benzyl alcohol	100-51-6	10
645	Benzyl bromide	100-39-0	10

NO.	NAME	CAS CODE	RQ FINAL
646	Benzyl chloride	100-44-7	50
647	Benzyl chloroformate	501-53-1	1
648	Benzyl cyanide	140-29-4	250
649	Benzyl iodine	620-05-3	1
650	Benzyldimethylamine	103-83-3	10
651	Beryllium	7440-41-7	5
652	Beryllium chloride	7787-47-5	0.5
653	Beryllium compound n.o.s	UN1566	10
654	Beryllium fluoride	7787-49-7	0.5
655	Beryllium nitrate	13597-99-4	0.5
656	Beryllium nitrate	7787-55-5	0.5
657	Beryllium powder	UN1567	10
658	beta - Endosulfan	33213-65-9	0.5
659	beta-BHC	319-85-7	0.5
660	beta-Naphthylamine	91-59-8	5

NO.	NAME	CAS CODE	RQ FINAL
661	Beta-Propiolactone	57-57-8	5
662	Bicyclo Hepta-2,5-Diene stabilized	UN 2251	10
663	Bicyclo[2.2.1]heptane-2-carbonitrile, 5-chloro-6-((((methylamino) carbonyl)oxy) imino)-, (1-alpha,2-beta,4-alpha,5-alpha,6E))-	15271-41-7	250
664	Bidrin	141-66-2	50
665	Bifenthrin	82657-04-3	100
666	Biological substances, category B	UN 2814	10
667	Biphenyl, (Diphenyl)	92-52-4	50
668	Bipyridilium pesticide	UN 2782	10
669	Bis(2-chloro-1-methylethyl)ether	108-60-1	500
670	Bis(2-chloroethoxy) methane	111-91-1	500
671	Bis(2-chloroethyl) ether	111-44-4	5
672	Bis(2-chloroethyl) ether (2,2-dichlorodiethyl ether)	111-44-4	100
673	Bis(2-chloroisopropyl) ether	39638-32-9	100
674	Bis(2-ethylhexyl)phthalate	117-81-7	50

NO.	NAME	CAS CODE	RQ FINAL
675	Bis(chloromethyl) ether	542-88-1	5
676	Bis(chloromethyl) ketone	534-07-6	5
677	Bis(tributyltin) oxide	56-35-9	1
678	Bisphenol A	80-05-7	10
679	Bisulphates, aqueous solution	7681-38-1	10
680	Bitoscanate	4044-65-9	250
681	Bladex	21725-46-2	1
682	Borane, trichloro-	10294-34-5	250
683	Borane, trifluoro-	7637-07-2	250
684	Boron & Borates only	7440-42-8	100
685	Boron tribromide	10294-33-4	10
686	Boron trichloride	10294-34-5	250
687	Boron trifluoride	7637-07-2	250
688	Boron trifluoride acetic acid complex	7578-36-1	10
689	Boron trifluoride compound with methyl ether (1:1)	353-42-4	500

NO.	NAME	CAS CODE	RQ FINAL
690	Boron trifluoride diethyl etherate	109-63-7	10
691	Boron, trifluoro[oxybis[methane]]-, (T-4)-	353-42-4	500
692	Brake fluid, hydraulic		10
693	Bromadiolone	28772-56-7	50
694	Bromate	15541-45-4	10
695	Bromine	7726-95-6	250
696	Bromine chloride	13863-41-7	10
697	Bromine pentafluoride	7789-30-2	10
698	Bromine trifluoride	7787-71-5	10
699	Bromoacetic acid	79-08-3	10
700	Bromoacetone	598-31-2	500
701	Bromoacetyl bromide	598-21-0	10
702	Bromobenzene	108-86-1	10
703	Bromobenzyl cyanides, solid or liquid	16532-79-9	1
704	Bromobenzyl cyanides, solid or liquid	19472-74-3	1

NO.	NAME	CAS CODE	RQ FINAL
705	Bromobenzyl cyanides, solid or liquid	31938-07-5	1
706	Bromobenzyl cyanides, solid or liquid	5798-79-8	1
707	Bromochloromethane	74-97-5	10
708	Bromodipheny l ether, 4-	101-55-3	50
709	Bromoethane (Ethyl bromide)	74-96-4	10
710	Bromoform	75-25-2	50
711	Bromomethane	74-83-9	500
712	Bromomethylpropanes (T-Butyl Bromide)	507-19-7	10
713	Bromophos	2104-96-3	1000
714	Bromophos ethyl	4824-78-6	1
715	Bromopropanes (1-Bromopropane)	106-94-5	10
716	Bromotrifluoroethylene	598-73-2	5000
717	Bromotrifluoromethane	75-63-8	10
718	Bromoxynil	1689-84-5	1
719	Bromoxynil octanoate	1689-99-2	10

NO.	NAME	CAS CODE	RQ FINAL
720	Brucine	357-57-3	50
721	Butadiene, inhibited	106-99-0	5
722	Butadienes and hydrocarbon mixture, stabilized	UN 1010	10
723	Butanal	123-72-8	10
724	Butane	106-97-8	5000
725	Butane see also Petroleum gases, liquefied	UN1075	10
726	Butane, 2-methyl-	78-78-4	5000
727	Butane, butane mixtures and mixtures having similar properties in cartridges each not exceeding 500 grams	UN 1011	10
728	Butane-1-thiol (Butyl mercaptan)	109-79-5	10
729	Butanedionen (Butanedione)	431-03-8	100
730	Butanols (butyl alcohol/ 1-Butanol)	71-36-3	1000
731	Butanols (butyl alcohol/ 1-Butanol)	75-65-2	1000
732	Butanols (butyl alcohol/ 1-Butanol)	78-92-2	1000
733	Butene	25167-67-3	5000

NO.	NAME	CAS CODE	RQ FINAL
734	Butyl nitrite	544-16-1	10
735	Butyl acetate	123-86-4	2500
736	Butyl acid phosphate	52933-01-4	10
737	Butyl acrylate	141-32-2	10
738	Butyl acrylates, stabilized	UN UN2348	10
739	Butyl benzene (2-methyl- 2-phenylpropane, 1-phenylbutane, 2-phenylbutane) (n-Butylbenzene)	104-51-8	10
740	Butyl benzyl phthalate	85-68-7	50
741	Butyl bromide. Normal (1-Bromobutane/n-Butyl/1- Bromobutane)bromide)	109-65-9	10
742	Butyl chlorides	109-69-3	100
743	Butyl chlorides	507-20-2	100
744	Butyl chlorides	78-86-4	100
745	Butyl ethers/ Dibutyl ethers (butyl ethers)	142-96-1	100
746	Butyl formate, normal	592-84-7	10
747	Butyl Mercaptans	109-79-5	10

NO.	NAME	CAS CODE	RQ FINAL
748	Butyl Mercaptans	75-66-2	10
749	Butyl toluenes (p-tert-butyl toluene)	98-51-1	10
750	Butyl vinyl ether	111-34-2	100
751	Butylamine	109-73-9	500
752	Butylate	2008-41-5	10
753	Butylbenzene, sec-	135-98-8	10
754	Butylene	106-98-9	5000
755	Butylethylcarbamothioic acid S-propyl ester	1114-71-2	10
756	Butylphthalyl butylglycolate	85-70-1	100
757	Butyltrichlorosilane	7521-80-4	10
758	Butynediol	110-65-6	10
759	Butyraldehyde	123-72-8	10
760	Butyraldoxime	110-69-0	100
761	Butyric acid	107-92-6	2500
762	Butyric Anhydride	106-31-0	10

NO.	NAME	CAS CODE	RQ FINAL
763	Butyronitrile	109-74-0	10
764	Butyryl chloride	141-75-3	10
765	C.I. Direct Black 38	1937-37-7	1
766	C.I. Direct Blue 6	2602-46-2	1
767	C.I. Direct Brown 95	16071-86-6	1
768	C.I. Solvent Yellow 34	492-80-8	50
769	Cacodylic acid	75-60-5	0.5
770	Cadmium	7440-43-9	5
771	Cadmium acetate	543-90-8	5
772	Cadmium bromide	7789-42-6	5
773	Cadmium chloride	10108-64-2	5
774	Cadmium compounds	UN2570	10
775	Cadmium oxide	1306-19-0	50
776	Cadmium stearate	2223-93-0	500
777	Caesium	7440-46-2	10

NO.	NAME	CAS CODE	RQ FINAL
778	Caesium hydroxide	21351-79-1	10
779	Caesium nitrite	7789-18-6	10
780	Caffeine	58-08-2	10
781	Calcium	7440-70-2	1000
782	Calcium alloys, pyrophoric	UN1855	10
783	Calcium arsenate	7778-44-1	0.5
784	Calcium arsenate and calcium arsenite mixture	52740-16-7	1
785	Calcium arsenate and calcium arsenite mixture	7778-44-1	1
786	Calcium arsenite	52740-16-6	0.5
787	Calcium bisulphate solution	13780-03-5	10
788	Calcium carbide	75-20-7	5
789	Calcium chlorate, aqueous solution	10137-74-3	10
790	Calcium chlorite	14674-72-7	10
791	Calcium chromate	13765-19-0	5

NO.	NAME	CAS CODE	RQ FINAL
792	Calcium cyanamide	156-62-7	500
793	Calcium cyanide	592-01-8	5
794	Calcium dithionite	15512-36-4	10
795	Calcium dodecylbenzenesulfonate	26264-06-2	500
796	Calcium fluoride	7789-75-5	10
797	Calcium hydride	7789-78-8	100
798	Calcium Hydrosulphite	15512-36-4	10
799	Calcium hypochlorite	7778-54-3	5
800	Calcium manganese silicon	UN2844	10
801	Calcium nitrate	10124-37-5	10
802	Calcium oxide	1305-78-8	100
803	Camphechlor	8001-35-2	0.5
804	Camphene, octachloro-	8001-35-2	0.5
805	Camphor	76-22-2	1000
806	Camphor oil	UN 1130	10

NO.	NAME	CAS CODE	RQ FINAL
807	Cantharidin	56-25-7	50
808	Caprolactam	105-60-2	1000
809	Captab	133-06-2	5
810	Captafol	2425-06-1	1
811	Captan	133-06-2	5
812	Carbachol chloride	51-83-2	250
813	Carbamic acid, diethylthio-, S-(p-chlorobenzyl)	28249-77-6	10
814	Carbamic acid, ethyl ester	51-79-6	50
815	Carbamic acid, methyl-, O-(((2,4- dimethyl-1,3-dithiolan-2-yl)methylene)amino)-	26419-73-8	50
816	Carbamodithioic acid, 1,2-ethanediylbis-, manganese complex	12427-38-2	10
817	Carbamodithioic acid, 1,2-ethanediylbis-, zinc complex	12122-67-7	100
818	Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2- propenyl)ester	2303-16-4	50
819	Carbamothioic acid, dipropyl-, S- (phenylmethyl) ester	52888-80-9	2500

NO.	NAME	CAS CODE	RQ FINAL
820	Carbaryl	63-25-2	50
821	Carbazole	86-74-8	10
822	Carbendazim	10605-21-7	5
823	Carbofuran	1563-66-2	5
824	Carbofuran phenol	1563-38-8	5
825	Carbon dioxide (carbonic anhydride) (Note 1)	124-38-9	10
826	Carbon dioxide and oxygen mixtures, Oxygen, compressed refrigerated liquid	7782-44-7	10
827	Carbon disulfide	75-15-0	50
828	Carbon monoxide/hydrogen mixtures (Fischer Tropsch gas, synthesis gas, Blau gas, water gas) (Note 1)	1333-74-1	10
829	Carbon monoxide/hydrogen mixtures (Fischer Tropsch gas, synthesis gas, Blau gas, water gas) (Note 1)	630-08-0	10
830	Carbon oxide sulfide (COS)	463-58-1	50
831	Carbon tetrabromide	558-13-4	100
832	Carbon tetrachloride	56-23-5	5

NO.	NAME	CAS CODE	RQ FINAL
833	Carbonic Acid, Dithallium salt	6533-73-9	50
834	Carbonic dichloride	75-44-5	5
835	Carbonic difluoride	353-50-4	500
836	Carbonochloridic acid, 1-methylethyl ester	108-23-6	500
837	Carbonochloridic acid, methylester	79-22-1	250
838	Carbonochloridic acid, propylester	109-61-5	250
839	Carbonyl fluoride	353-50-4	500
840	Carbonyl sulfide	463-58-1	50
841	Carbonyl sulphide (carbon oxysulphide)	463-58-1	50
842	Carbophenothion	786-19-6	250
843	Carbosulfan	55285-14-8	500
844	Carboxin	5234-68-4	10
845	Catechol	120-80-9	50
846	Caustic soda solution or Caustic soda liquor	1310-73-2	500

NO.	NAME	CAS CODE	RQ FINAL
847	Cerium	7440-45-1	10
848	CFC-11	75-69-4	2500
849	CFC-115	76-15-3	10
850	CFC-12	75-71-8	2500
851	CFC-13	75-72-9	10
852	Chipco aliette WDG	39148-24-8	1000
853	Chloramben	133-90-4	50
854	Chlorambucil	305-03-3	5
855	Chloranil	118-75-2	1
856	Chlordane	57-74-9	0.5
857	Chlordecone	143-50-0	0.5
858	Chlordimeform	6164-98-3	100
859	Chlorfenvinphos	470-90-6	250
860	Chloric acid	7790-93-4	10
861	Chloride	16887-00-6	1000

NO.	NAME	CAS CODE	RQ FINAL
862	Chlorimuron ethyl	90982-32-4	1000
863	Chlorine	7782-50-5	5
864	Chlorine dioxide	10049-04-4	500
865	Chlorine monoxide	7791-21-1	5000
866	Chlorine oxide	7791-21-1	5000
867	Chlorine oxide	10049-04-4	500
868	Chlorine trifluoride	7790-91-2	10
869	Chlorites (Sodium Salt), solution	14998-27-8	100
870	Chlorites (Sodium Salt), solution	7758-19-2	100
871	Chlormephos	24934-91-6	250
872	Chlormequat chloride	999-81-5	50
873	Chlornaphazine	494-03-1	50
874	Chloroacetaldehyde	107-20-0	500
875	Chloroacetic acid	79-11-8	50
876	Chloroacetone	78-95-5	1

NO.	NAME	CAS CODE	RQ FINAL
877	Chloroacetonitrile	107-14-2	10
878	Chloroacetophenone	532-27-4	50
879	Chloroacetyl chloride	79-04-9	10
880	Chloroaniline	27134-26-5	10
881	Chlorobenzene	108-90-7	50
882	Chlorobenzilate	510-15-6	5
883	Chlorobenzyl chlorides	104-83-8	10
884	Chlorobenzyl chlorides	611-19-8	10
885	Chlorobenzyl chlorides	620-20-2	10
886	Chlorobutanes (1-chlorobutane, normal 2-butyl chloride) chlorobutane)	109-69-3	10
887	Chlorocresols	59-50-7	2500
888	Chlorodibromoethane	73506-94-2	10
889	Chlorodibromomethane	124-48-1	50
890	Chlorodifluoromethane	75-45-6	10

NO.	NAME	CAS CODE	RQ FINAL
891	Chlorodinitrobenzene (dinitrochloroben-zene)	25567-67-3	10
892	Chloroethane	75-00-3	50
893	Chloroethanol	107-07-3	250
894	Chloroethyl chloroformate	627-11-2	500
895	Chloroform	67-66-3	5
896	Chloromethane	74-87-3	50
897	Chloromethyl ether	542-88-1	5
898	Chloromethyl methyl ether	107-30-2	5
899	Chloronaphthalene, beta-	91-58-7	2500
900	Chloronitroanilines	121-87-9	10
901	Chloronitroanilines	62-83-25-6	10
902	Chloronitroanilines	635-22-6	10
903	Chloronitroanilines	89-63-4	10
904	Chloronitrobenzene	88-73-3	10
905	Chloro-ortho-nitrotoluene	25567-68-4	10

NO.	NAME	CAS CODE	RQ FINAL
906	Chlorophacinone	3691-35-8	50
907	Chlorophenates (chlorophenols),solid	UN 2905	10
908	Chlorophenates(chlorophenols) liquid	UN 2904	10
909	Chlorophenyl trichlorosilane	825-94-5	10
910	Chloropicrin	76-06-2	1
911	Chloropicrin and methyl bromide mixture	76-06-2	1
912	Chloropicrin and methyl bromide mixture	8004-09-09	1
913	Chloroprene	126-99-8	50
914	Chloropropane/ 2-Chloropropane	75-29-6	10
915	Chloropropham	101-21-3	1
916	Chlorosilanes	13465-78-6	10
917	Chlorosilanes, n.o.s	UN3361	10
918	Chlorosilanes, corrosive, flammable, n.o.s	UN2986	10
919	Chlorosilanes, corrosive, n.o.s	UN2987	10
920	Chlorosilanes, flammable, corrosive, n.o.s	UN2985	10

NO.	NAME	CAS CODE	RQ FINAL
921	Chlorosilanes, n.o.s	UN3362	10
922	Chlorosilanes, water- reactive, flammable, corrosive, n.o.s	UN2988	10
923	Chlorosulfonic acid (with or without sulphur trioxide)	7790-94-5	500
924	Chlorotetrafluoroethane	63938-10-3	10
925	Chlorothalonil	1897-45-6	1
926	Chlorotoluenes	25168-05-2	1
927	Chlorotoluidines	95-74-9/ 616-65-6	1
928	Chlorotrifluoromethane	75-72-9	10
929	Chloroxuron	1982-47-4	250
930	Chlorpyrifos	2921-88-2	0.5
931	Chlorpyrifos methyl	5598-13-0	1
932	Chlorsulfuron	64902-72-3	1
933	Chlorthiophos	21923-23-9	250
934	Chlorthiophos	60238-56-4	10

NO.	NAME	CAS CODE	RQ FINAL
935	Chromic acetate	1066-30-4	500
936	Chromic acid	7738-94-5	5
937	Chromic acid	7738-94-5	5
938	Chromic acid	7738-94-5	10
939	Chromic acid solution	13530-68-2	10
940	Chromic chloride	10025-73-7	0.5
941	Chromic fluoride	7788-97-8	10
942	Chromic nitrate	13548-38-4	10
943	Chromic sulphate	10101-53-8	500
944	Chromium	7440-47-3	2500
945	Chromium sulphuric acid	10101-53-8	500
946	Chromium(III) (Insoluble salts)	16065-83-1	1
947	Chromium(VI) (chromic acid mists)	18540-29-9	1
948	Chromous chloride	10049-05-5	500
949	Chromyl chloride	14977-61-8	10

NO.	NAME	CAS CODE	RQ FINAL
950	Chrysene	218-01-9	50
951	Clinical waste, unspecified	UN 3291	1
952	Coal		1000
953	Coal gas, compressed	UN1023	100
954	Coal tar distillates, flammable	UN1136	1
955	Coal tar oil	65996-91-1	10
956	Coal tar oil	8030-30-6	10
957	Coating solution	UN 1139	10
958	Cobalt	7440-48-4	10
959	Cobalt carbonyl	10210-68-1	5
960	Cobalt naphthenates	61789-51-3	10
961	Cobalt, ((2,2'-(1,2-ethanediylbis(ni-trilomethylidyne))bis(6 -fluorophenylato))(2-)-N,N',O,O')-	62207-76-5	50
962	Cobaltous bromide	7789-43-7	500
963	Cobaltous formate	544-18-3	500

NO.	NAME	CAS CODE	RQ FINAL
964	Cobaltous sulfamate	14017-41-5	500
965	Coke Oven Emissions (Note 1)	N.A.	0.5
966	Colchicine	64-86-8	5
967	Copper	7440-50-8	2500
968	Copper (II) arsenite	10290-12-7	1
969	Copper acetoarsenite	12002-03-8	0.5
970	Copper cyanide	544-92-3	5
971	Copper- ethylenediaminecomplex	13426-91-0	1
972	Copper oxychloride	1332-40-7	10
973	Copper selenate, see Selenates or Selenites	15123-69-0	10
974	Copper sulphates	7758-99-8	1
975	Copra	8001-31-8	10
976	Cotton waste, oily	UN 1364	10
977	Cotton waste, wet	UN1365	10
978	Coumachlor	81-82-3	1

NO.	NAME	CAS CODE	RQ FINAL
979	Coumaphos	56-72-4	5
980	Coumarin derivative pesticide	91-64-5	100
981	Coumatetralyl	5836-29-3	250
982	Creosote	8001-58-9	0.5
983	Creosote	8021-39-4	0.5
984	Cresol (mixed isomers; ortho-meta- and para-)	1319-77-3	50
985	Cresol, o-(2-Methylphenol)	95-48-7	50
986	Cresol, p- (4-Methylphenol)	106-44-5	50
987	Cresylic acid	1319-77-3	50
988	Crimidine	535-89-7	50
989	Crotonaldehyde	4170-30-3	50
990	Crotonaldehyde, (E)-	123-73-9	50
991	Crotonaldehyde, stabilised (beta-methyl acrolein, 2-butanol crotonic aldehyde)	4170-30-3	50
992	Crotonic acid	3724-65-0	100

NO.	NAME	CAS CODE	RQ FINAL
993	Cumene	98-82-8	2500
994	Cumene hydroperoxide	80-15-9	5
995	Cupric acetate	142-71-2	50
996	Cupric acetoarsenite	12002-03-8	0.5
997	Cupric chlorate	26506-47-8	1
998	Cupric chloride	7447-39-4	5
999	Cupric nitrate	3251-23-8	50
1000	Cupric oxalate	5893-66-3	50
1001	Cupric sulphate	7758-98-7	5
1002	Cupric sulphate, ammoniated	10380-29-7	50
1003	Cupric tartrate	815-82-7	50
1004	Cyanamide	420-04-2	10
1005	Cyanazine	21725-46-2	1
1006	Cyanides (soluble salts and complexes), n.o.s	N.A.	5

NO.	NAME	CAS CODE	RQ FINAL
1007	Cyanogen	460-19-5	50
1008	Cyanogen bromide	506-68-3	500
1009	Cyanogen chloride	506-77-4	5
1010	Cyanogen iodide	506-78-5	500
1011	Cyanophos	2636-26-2	500
1012	Cyanuric chloride	108-77-0	10
1013	Cyanuric fluoride	675-14-9	50
1014	Cyclobutane (tetramethylene)	287-23-0	10
1015	Cyclobutyl chloroformate	81228-87-7	10
1016	Cycloheptane	291-64-5	10
1017	Cyclohexanamine	108-91-8	5000
1018	Cyclohexane	110-82-7	500
1019	Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-	58-89-9	0.5
1020	Cyclohexanol	108-93-0	1000

NO.	NAME	CAS CODE	RQ FINAL
1021	Cyclohexanone	108-94-1	2500
1022	Cyclohexene	110-83-8	10
1023	Cyclohexenyl trichlorosilane	10137-69-6	10
1024	Cycloheximide	66-81-9	50
1025	Cyclohexyl acetate	622-45-7	10
1026	Cyclohexyl mercaptan	1569-69-3	100
1027	Cyclohexylamine	108-91-8	5000
1028	Cyclohexyltrichlorosilane	98-12-4	10
1029	Cyclooctadiene	29965-97-7	10
1030	Cyclooctatetraene	629-20-9	10
1031	Cyclopentane	287-92-3	10
1032	Cyclopentanol	96-41-3	10
1033	Cyclopentanone	120-92-3	10
1034	Cyclopentene	142-29-0	10
1035	Cyclophosphamide	50-18-0	5

NO.	NAME	CAS CODE	RQ FINAL
1036	Cyclopropane	75-19-4	5000
1037	Cyfluthrin	68359-37-5	100
1038	Cymenes	99-87-6	100
1039	Cypermethrin	52315-07-8	1
1040	Cyromazine	66215-27-8	1000
1041	Dacthal	1861-32-1	10
1042	Daunomycin	20830-81-3	5
1043	DBCP	96-12-8	0.5
1044	DDD	72-54-8	0.5
1045	DDE	3547-04-4	2500
1046	DDE	72-55-9	0.5
1047	DDT	50-29-3	0.5
1048	Decaborane(14)	17702-41-9	250
1049	Decabromodiphenyl ether	1163-19-5	100
1050	Decahydronaphthalene (Decalin)	91-17-8	10

NO.	NAME	CAS CODE	RQ FINAL
1051	Decanol	112-30-1	100
1052	DEF	78-48-8	1
1053	DEHP	117-81-7	50
1054	delta-BHC	319-86-8	0.5
1055	Demeton	8065-48-3	250
1056	Demeton-S-methyl	919-86-8	250
1057	Desensitized explosive, liquid, n.o.s. Mercury oxycyanide	8011-93-6	1
1058	Desensitized explosive, liquid, n.o.s. Mercury oxycyanide	UN3380	1
1059	Desensitized explosive, solid, n.o.s.	8011-93-6	10
1060	Desensitized explosive, solid, n.o.s.	UN3381	10
1061	Deuterium (heavy hydrogen)	7782-39-0	10
1062	Di(2-ethylhexyl) phthalate	117-81-7	50
1063	Di-(n-butyl)-amine	111-92-2	10
1064	Diacetone alcohol	123-42-2	1000

NO.	NAME	CAS CODE	RQ FINAL
1065	Dialifor	10311-84-9	50
1066	Diallate	2303-16-4	50
1067	Diallylamine	124-02-7	10
1068	Diaminobenzenes	106-50-5	10
1069	Diaminobenzenes	108-45-2	10
1070	Diaminobenzenes	95-54-53	10
1071	Diaminotoluene	496-72-0	5
1072	Diaminotoluene	823-40-5	5
1073	Diaminotoluene (mixed isomers)	25376-45-8	5
1074	Diammonium arsenate	7784-44-3	1
1075	Diazinon	333-41-5	0.5
1076	Diazomethane	334-88-3	50
1077	Dibenz[a,h]anthracene	53-70-3	0.5
1078	Dibenz[a,i]pyrene	189-55-9	5
1079	Dibenzofuran	132-64-9	50

NO.	NAME	CAS CODE	RQ FINAL
1080	Diborane	19287-45-7	50
1081	Diborane(6)	19287-45-7	50
1082	Dibromobenzene (metadibromobenzene, 1,3-dibromoibenzene)	26249-12-7	10
1083	Dibromodifluoromethane	75-61-6	100
1084	Dibutyl phthalate	84-74-2	5
1085	Dicamba	1918-00-9	500
1086	Dichlobenil	1194-65-6	50
1087	Dichlofenthion	97-17-6	10
1088	Dichlone	117-80-6	0.5
1089	Dichloro(phenoxy)butyric Acid, 4-(2,4-,4-butyric Acid, 4-(2)	94-82-6	10
1090	Dichloroacetic acid	79-43-6	1
1091	Dichloroacetyl chloride	79-36-7	10
1092	Dichloroanilines	554-00-7	10
1093	Dichloroanilines	608-27-5	10

NO.	NAME	CAS CODE	RQ FINAL
1094	Dichloroanilines	626-43-11	10
1095	Dichloroanilines	95-76-1	10
1096	Dichloroanilines	95-82-9	10
1097	Dichlorobenzene (mixed isomers)	25321-22-6	50
1098	Dichlorobromomethane	75-27-4	2500
1099	Dichlorodifluoromethane	75-71-8	2500
1100	Dichloroethyl ether	111-44-4	10
1101	Dichloroethylene	156-59-2	10
1102	Dichlorofluoromethane	75-43-4	10
1103	Dichloroisocyanuric acid salts	2782-57-2	100
1104	Dichloroisopropyl ether	108-60-1	500
1105	Dichloroisopropyl ether	63283-80-7	100
1106	Dichloromethane	75-09-2	500
1107	Dichloromethyl ether	542-88-1	5
1108	Dichloromethylphenylsilane	149-74-6	500

NO.	NAME	CAS CODE	RQ FINAL
1109	Dichloropentane	30586-10-8	10
1110	Dichlorophenols	120-83-2	10
1111	Dichlorophenols	576-24-0	10
1112	Dichlorophenols	583-78-10	10
1113	Dichlorophenylarsine	696-28-6	0.5
1114	Dichloropropane	26638-19-7	500
1115	Dichloropropane – Dichloropropene (mixture)	8003-19-8	50
1116	Dichloropropene	26952-23-8	50
1117	Dichlorosilane	4109-96-0	5000
1118	Dichlorotetrafluoroethane (tetrafluorodichloroethane)	1320-37-2	10
1119	Dichlorotoluene	98-87-3	250
1120	Dichlorvos	62-73-7	5
1121	Dicofol	115-32-2	5
1122	Dicrotophos	141-66-2	50

NO.	NAME	CAS CODE	RQ FINAL
1123	Dicycloheptadiene (2,5-Norbornadiene, Inhibited)	121-46-0	10
1124	Dicyclohexylamine	101-83-7	10
1125	Dicyclohexylammonium nitrite	3129-91-7	10
1126	Dicyclopentadiene	77-73-6	10
1127	Didymium nitrate	134191-62-1	10
1128	Dieldrin	60-57-1	0.5
1129	Diepoxybutane	1464-53-5	5
1130	Diesel fuel	68334-30-5	100
1131	Diesoline	68334-30-5	100
1132	Diethanolamine	111-42-2	50
1133	Diethoxymethane	462-95-3	10
1134	Diethyl carbonate	105-58-8	10
1135	Diethyl chlorophosphate	814-49-3	250
1136	Diethyl ketone	96-22-0	10
1137	Diethyl phthalate	84-66-2	500

NO.	NAME	CAS CODE	RQ FINAL
1138	Diethyl sulphate	64-67-5	5
1139	Diethylaluminium chloride (aluminium diethylmonochloride)	96-10-6	10
1140	Diethylamine	109-89-7	50
1141	Diethylarsine	692-42-2	0.5
1142	Diethylbenzene	25340-17-4	10
1143	Diethylcarbinol (3-pentanol)	584-02-1	10
1144	Diethyldichlorosilane	1719-53-5	10
1145	Diethylene glycol monoethyl ether	111-77-3	1000
1146	Diethylenetriamine	111-40-0	10
1147	Diethylether (s)	60-29-7	50
1148	Diethyl-p-nitrophenyl phosphate	311-45-5	50
1149	Diethylstilbestrol	56-53-1	0.5
1150	Diethylthiophosphoryl chloride	2524-04-1	10
1151	Diethylzinc	557-20-0	1
1152	Difenzoquat methylsulphate	43222-48-6	1000

NO.	NAME	CAS CODE	RQ FINAL
1153	Diflubenzuron	35367-38-5	1000
1154	Difluoroethane	75-37-6	5000
1155	Difluorophosphoric acid, anhydrous	13779-41-4	10
1156	Digitoxin	71-63-6	50
1157	Diglycidyl ether	2238-07-5	500
1158	Digoxin	20830-75-5	5
1159	Dihydrosafrole	94-58-6	5
1160	Diisobutylamine	110-96-3	10
1161	Diisobutylene	25167-70-8	10
1162	Diisooctyl acid phosphate	27215-10-7	10
1163	Diisopropyl methylphosphonate	1445-75-6	1000
1164	Diisopropylamine	108-18-9	10
1165	Diisopropylbenzene hydroperoxide	26762-93-6	10
1166	Diisopropylfluorophosphate	55-91-4	50
1167	Dimefox	115-26-4	250

NO.	NAME	CAS CODE	RQ FINAL
1168	Dimetan	122-15-6	10
1169	Dimethipin	55290-64-7	100
1170	Dimethoate	60-51-5	5
1171	Dimethyl carbonate	616-38-6	10
1172	Dimethyl chlorothiophosphate	2524-03-0	250
1173	Dimethyl disulfide (DMDS)	624-92-0	10
1174	Dimethyl ether	115-10-6	5000
1175	Dimethyl Nitrosamine	62-75-9	1
1176	Dimethyl phosphorochloridothioate	2524-03-0	250
1177	Dimethyl phthalate	131-11-3	2500
1178	Dimethyl Sulfoxide	67-68-5	1000
1179	Dimethyl sulphate	77-78-1	50
1180	Dimethyl sulphide	75-18-3	10
1181	Dimethyl-1,4-dioxane	25136-55-4	10
1182	Dimethylamine	124-40-3	500

NO.	NAME	CAS CODE	RQ FINAL
1183	Dimethylaminoazobenzene	60-11-7	5
1184	Dimethylcarbamyl chloride	79-44-7	0.5
1185	Dimethyldichlorosilane	75-78-5	250
1186	Dimethyldiethoxysilane	78-62-6	10
1187	Dimethylformamide	68-12-2	50
1188	Dimethylhydrazine	57-14-7	5
1189	Dimethyl-N-propylamine	926-63-6	10
1190	Dimethyl-p-phenylenediamine	99-98-9	5
1191	Dimethylterephthalate	120-61-6	1000
1192	Dimethylzinc	544-97-8	1
1193	Dimetilan	644-64-4	0.5
1194	Di-n-butylphthalate	84-74-2	5
1195	Dinitrobenzene (mixed isomers)	25154-54-5	50
1196	Dinitrobutyl phenol	88-85-7	500
1197	Dinitrocresol	534-52-1	5

NO.	NAME	CAS CODE	RQ FINAL
1198	Dinitro-o-cyclohexyl phenol, 4,6-	131-89-5	50
1199	Dinitrophenol	25550-58-7	5
1200	Dinitrotoluene (mixed isomers)	25321-14-6	5
1201	Di-n-octyl phthalate	117-84-0	2500
1202	Dinoseb	88-85-7	500
1203	Dinoseb Acetate	2813-95-8	10
1204	Dinoterb	1420-07-1	250
1205	Dinoterb Acetate	3204-27-1	1
1206	Di-n-propylnitrosamine	621-64-7	5
1207	Dioxane	123-91-1	50
1208	Dioxathion	78-34-2	250
1209	Dipentene (Cajeputene cinene di-paramen-tha-1,8-diene, limonene, inactive)	138-86-3	10
1210	Diphacinone	82-66-6	5
1211	Diphenamid	957-51-7	100
1212	Diphenyl sulfone	127-63-9	1000

NO.	NAME	CAS CODE	RQ FINAL
1213	Diphenylamine	122-39-4	10
1214	Diphenylamine chloroarsine liquid or solid	578-94-9	1
1215	Diphenyldichlorosilane	80-10-4	10
1216	Diphenylmethane-4, 4-diisocyanate	101-68-8	2500
1217	Diphosphoramide, octamethyl-	152-16-9	50
1218	Diphynylamine bromide	UN1770	10
1219	Dipicryl sulfide	28930-30-5	1
1220	Dipicrylamine	131-73-7	1
1221	Dipropyl ketone	123-19-3	10
1222	Dipropylamine	142-84-7	2500
1223	Diquat	2764-72-9	500
1224	Diquat	85-00-7	500
1225	Direct Black 38	1937-37-7	1
1226	Direct Blue 6	2602-46-2	1
1227	Direct Brown 95	16071-86-6	1

NO.	NAME	CAS CODE	RQ FINAL
1228	Dis (2-ethylhexyl) adipate	103-23-1	1
1229	Disodium trioxosilicate	6834-92-0	100
1230	Disulfoton	298-04-4	0.5
1231	Dithiazanine iodide	514-73-8	250
1232	Dithiobiuret	541-53-7	50
1233	Diuron	330-54-1	50
1234	Dodecylbenzenesulfonic acid	27176-87-0	500
1235	Dodecylguanidine monoacetate	2439-10-3	1
1236	Dodecyltrichlorosilane	4484-72-4	10
1237	Dodine	2439-10-3	1
1238	Emetine, dihydrochloride	316-42-7	0.5
1239	Endosulfan	115-29-7	0.5
1240	Endosulfan sulphate	1031-07-8	0.5
1241	Endothall	145-73-3	500
1242	Endothion	2778-04-3	250

NO.	NAME	CAS CODE	RQ FINAL
1243	Endrin	72-20-8	0.5
1244	Endrin aldehyde	7421-93-4	0.5
1245	Epichlorohydrin	106-89-8	50
1246	Epinephrine	51-43-4	500
1247	EPN	2104-64-5	50
1248	EPTC	759-94-4	100
1249	Eradicane	759-94-4	100
1250	Ergocalciferol	50-14-6	500
1251	Ergotamine tartrate	379-79-3	250
1252	Etanol (Ethyl alcohol)	64-17-5	10
1253	Ethanamine	75-04-7	50
1254	Ethane	74-84-0	5000
1255	Ethane, 1,1,1,2-tetrachloro-	630-20-6	50
1256	Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-	76-13-1	1000
1257	Ethane, 1,1-difluoro-	75-37-6	5000

NO.	NAME	CAS CODE	RQ FINAL
1258	Ethane, 1,1'-oxybis-	60-29-7	50
1259	Ethane, 1,1'-thiobis[2-chloro-	505-60-2	250
1260	Ethane, chloro-	75-00-3	50
1261	Ethanedinitrile	460-19-5	50
1262	Ethaneperoxoic acid	79-21-0	250
1263	Ethanesulfonyl chloride, 2-chloro-	1622-32-8	250
1264	Ethanethiol	75-08-1	5000
1265	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester	30558-43-1	2500
1266	Ethanimidothioic acid, N- [[methylamino) carbonyl]	16752-77-5	50
1267	Ethanol, 1,2-dichloro-, acetate	10140-87-1	500
1268	Ethanol, 2,2'-oxybis-, dicarbamate	5952-26-1	2500
1269	Ethanol, 2-ethoxy-	110-80-5	500
1270	Ethanolamine	141-43-5	1000
1271	Ethene	74-85-1	5000

NO.	NAME	CAS CODE	RQ FINAL
1272	Ethene, 1,1-dichloro-	75-35-4	50
1273	Ethene, 1,1-difluoro-	75-38-7	5000
1274	Ethene, bromotrifluoro-	598-73-2	5000
1275	Ethene, chloro-	75-01-4	0.5
1276	Ethene, chlorotrifluoro-	79-38-9	5000
1277	Ethene, ethoxy-	109-92-2	5000
1278	Ethene, fluoro-	75-02-5	5000
1279	Ethene, methoxy-	107-25-5	5000
1280	Ethene, tetrafluoro-	116-14-3	5000
1281	Ethephon	16672-87-0	1000
1282	Ethion	563-12-2	5
1283	Ethoprop	13194-48-4	500
1284	Ethoprophos	13194-48-4	500
1285	Ethyiene glycol monoethyl ether	110-80-5	500
1286	Ethyl 2-Chloropropionate	535-13-7	100

NO.	NAME	CAS CODE	RQ FINAL
1287	Ethyl acetate	141-78-6	2500
1288	Ethyl acetylene	107-00-6	5000
1289	Ethyl acrylate	140-88-5	500
1290	Ethyl amyl ketone	106-68-3	10
1291	Ethyl borate (triethyl borate)	51845-86-4	10
1292	Ethyl bromoacetate	105-36-2	10
1293	Ethyl butyl ether (butyl ethyl ether)	628-81-9	10
1294	Ethyl butyrate	105-54-4	10
1295	Ethyl carbamate	51-79-6	50
1296	Ethyl chloride	75-00-3	50
1297	Ethyl chloroacetate	105-39-5	10
1298	Ethyl chloroformate	541-41-3	10
1299	Ethyl chlorothioformate	2941-64-2	10
1300	Ethyl crotonate	10544-63-5	10
1301	Ethyl cyanide	107-12-0	5

NO.	NAME	CAS CODE	RQ FINAL
1302	Ethyl dipropylthiocarbamate	759-94-4	100
1303	Ethyl ether	60-29-7	50
1304	Ethyl formate	109-94-4	100
1305	Ethyl lactate	97-64-3	10
1306	Ethyl mercaptan	75-08-1	5000
1307	Ethyl methacrylate	97-63-2	500
1308	Ethyl methanesulfonate	62-50-0	0.5
1309	Ethyl methyl ether	540-67-0	10
1310	Ethyl nitrite	109-95-5	5000
1311	Ethyl Oxalate/ Diethyl oxalate	95-92-1	10
1312	Ethyl phthalyl ethyl glycolate	84-72-0	1000
1313	Ethyl Propionate	105-37-3	10
1314	Ethyl propyl ether (ethoxy propane-1)	628-32-0	10
1315	Ethyl-2-(((((4-chloro-6-methoxyprimidin-2-yl)amino)carbonyl)amino)sulfonyl)benzoate	90982-32-4	1000
1316	Ethylbenzene	100-41-4	500

NO.	NAME	CAS CODE	RQ FINAL
1317	Ethylbis(2-chloroethyl)amine	538-07-8	250
1318	Ethylbutyl Acetate	10031-87-5	10
1319	Ethyldichloroarsine	598-14-1	10
1320	Ethyldichlorosilane	1789-58-8	10
1321	Ethylene	74-85-1	5000
1322	Ethylene chloride	107-06-2	50
1323	Ethylene cyanide	110-61-2	100
1324	Ethylene dibromide	106-93-4	0.5
1325	Ethylene dichloride	107-06-2	50
1326	Ethylene fluorohydrin	371-62-0	5
1327	Ethylene glucol monomethyl ether (methyl glycol)	109-86-4	100
1328	Ethylene glycol	107-21-1	2500
1329	Ethylene glycol diethyl ether	629-14-1	10
1330	Ethylene oxide	75-21-8	5
1331	Ethylene thiourea	96-45-7	5

NO.	NAME	CAS CODE	RQ FINAL
1332	Ethylene, acetylene and propylene mixture, refrigerated liquid	115-07-3	
1333	Ethylene, acetylene and propylene mixture, refrigerated liquid	74-85-1	
1334	Ethylene, acetylene and propylene mixture, refrigerated liquid	74-86-2	10
1335	Ethylenebisdithiocarbamic acid, salts & esters	111-54-6	2500
1336	Ethylenediamine	107-15-3	2500
1337	Ethylenediamine-tetraacetic acid (EDTA)	60-00-4	2500
1338	Ethyleneimine	151-56-4	0.5
1339	Ethylidene Dichloride	75-34-3	500
1340	Ethyl-p-nitrophenyl phosphonate	2104-64-5	50
1341	Ethylsulphuric acids	540-82-9	10
1342	Ethylthiocyanate	542-90-5	5000
1343	Ethyltrichlorosilane	115-21-9	250
1344	Ethyne	74-86-2	5000

NO.	NAME	CAS CODE	RQ FINAL
1345	Famphur	52-85-7	500
1346	Fenamiphos	22224-92-6	5
1347	Fenpropathrin	39515-41-8	1
1348	Fensulfothion	115-90-2	250
1349	Fenthion	55-38-9	1
1350	Fenvalerate	51630-58-1	100
1351	Ferric ammonium citrate	1185-57-5	500
1352	Ferric ammonium oxalate	2944-67-4	500
1353	Ferric ammonium oxalate	55488-87-4	500
1354	Ferric arsenate	10102-49-5	10
1355	Ferric arsenite	63989-69-5	10
1356	Ferric chloride	7705-08-0	500
1357	Ferric fluoride	7783-50-8	50
1358	Ferric nitrate	10421-48-4	500
1359	Ferric silicon	8049-17-0	100

NO.	NAME	CAS CODE	RQ FINAL
1360	Ferric sulphate	10028-22-5	500
1361	Ferrocerium	69523-06-4	10
1362	Ferrous ammonium sulphate	10045-89-3	500
1363	Ferrous arsenate	10102-50-8	10
1364	Ferrous chloride	7758-94-3	50
1365	Ferrous sulphate	7720-78-7	500
1366	Ferrous sulphate	7782-63-0	500
1367	Flue dust (Note 1)	69012-56-2	10
1368	Fluenetil	4301-50-2	50
1369	Fluoboric acid	16872-11-0	10
1370	Fluometuron	2164-17-2	100
1371	Fluoranthene	206-44-0	50
1372	Fluorene	86-73-7	2500
1373	Fluoric acid	7664-39-3	10
1374	Fluorine	7782-41-4	5

NO.	NAME	CAS CODE	RQ FINAL
1375	Fluoroacetamide	640-19-7	50
1376	Fluoroacetic acid	144-49-0	5
1377	Fluoroacetic acid (mono), its salts and derivatives	144-49-0	5
1378	Fluoroacetic acid, sodium salt	62-74-8	5
1379	Fluoroacetyl chloride	359-06-8	5
1380	Fluoroanilines	348-54-9	10
1381	Fluoroanilines	371-40-5	10
1382	Fluorobenzene	462-06-6	10
1383	Fluorophosphoric acid, anhydrous	13537-32-1	10
1384	Fluorosulphonic acid	7789-21-1	10
1385	Fluorouracil	51-21-8	250
1386	Fluosilicic acid (silicofiuoric acid, hydrosilicofluoric acid, hydrofluosilicic acid, sand acid)	16961-83-4	10
1387	Fluridone	59756-60-4	100
1388	Flurprimidol	56425-91-3	100

NO.	NAME	CAS CODE	RQ FINAL
1389	Flutolanil	66332-96-5	10
1390	Fluvalinate	69409-94-5	1
1391	Folpet	133-07-3	1
1392	Fomesafen	72178-02-0	1000
1393	Fonofos	944-22-9	250
1394	Formaldehyde	50-00-0	50
1395	Formaldehyde cyanohydrin	107-16-4	500
1396	Formetanate hydrochloride	23422-53-9	50
1397	Formic acid	64-18-6	2500
1398	Formic acid, methyl ester	107-31-3	5000
1399	Formothion	2540-82-1	50
1400	Formparanate	17702-57-7	50
1401	Fosthietan	21548-32-3	250
1402	Freon 113	76-13-1	1000
1403	Fuberidazole	3878-19-1	50

NO.	NAME	CAS CODE	RQ FINAL
1404	Fumaric acid	110-17-8	2500
1405	Fumaryl chloride	627-63-4	10
1406	Furan	110-00-9	50
1407	Furan, tetrahydro-	109-99-9	500
1408	Furazolidone	67-45-8	1
1409	Furfural	98-01-1	2500
1410	Furfurylamine	617-89-0	10
1411	Furium	531-82-8	1
1412	Fusel oil	8013-75-0	10
1413	Gallium trichloride	13450-90-3	250
1414	Gas oil	UN1202	10
1415	Gasoline	86290-81-5	100
1416	Glufosinate-ammonium	77182-82-2	1000
1417	Glycidol	556-52-5	10
1418	Glycidylaldehyde	765-34-4	5

NO.	NAME	CAS CODE	RQ FINAL
1419	Glyphosate	1071-83-6	100
1420	Guanidine nitrate	506-93-4	100
1421	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	5
1422	Guthion	86-50-0	0.5
1423	Halon 1301	75-63-8	10
1424	HCFC-21	75-43-4	10
1425	HCFC-22	75-45-6	10
1426	Heavy fuel oil	68476-33-5	100
1427	Helium	7440-59-7	10
1428	Helium, refrigerated liquid (cryogenic liquid)	UN1963	10
1429	Heptachlor	76-44-8	0.5
1430	Heptachlor epoxide	1024-57-3	0.5
1431	Heptane and its isomers	142-82-5	10
1432	Hex-1-ene	592-41-6	10
1433	Hexabromobenzene	87-82-1	100

NO.	NAME	CAS CODE	RQ FINAL
1434	Hexachloro-1,3-butadiene	87-68-3	0.5
1435	Hexachloroacetone	116-16-5	1
1436	Hexachlorobenzene	118-74-1	5
1437	Hexachlorobutadiene	87-68-3	0.5
1438	Hexachlorocyclohexane (all isomers)	608-73-1	1
1439	Hexachlorocyclohexane (gamma isomer)	58-89-9	0.5
1440	Hexachlorocyclohexane, Alpha-	319-84-6	5
1441	Hexachlorocyclohexane, Beta-	319-85-7	0.5
1442	Hexachlorocyclopentadiene	77-47-4	5
1443	Hexachlorodibenzo-p- dioxin, mixture	19408-74-3	1
1444	Hexachloroethane	67-72-1	50
1445	Hexachlorophene	70-30-4	50
1446	Hexachloropropene	1888-71-7	500
1447	Hexadecyltrichlorosilane	5894-60-0	10
1448	Hexaethyl tetraphosphate	757-58-4	50

NO.	NAME	CAS CODE	RQ FINAL
1449	Hexafluoracetone trihydrate	34202-69-2	10
1450	Hexafluorophosphoric acid	16940-81-1	10
1451	Hexafluoropropylene	116-15-4	10
1452	Hexahydro-1,3,5-trinitro-1,3,5-triazine (Cyclotrimethylenetrinitramine)	121-82-4	10
1453	Hexamethylene-1,6-diisocyanate	822-06-0	50
1454	Hexamethylenediamine solution	124-09-4	10
1455	Hexamethylenediamine, N,N'-dibutyl-	4835-11-4	250
1456	Hexamethylphosphoramide	680-31-9	0.5
1457	Hexanaldehyde	66-25-1	10
1458	Hexane	110-54-3	2500
1459	Hexane and its isomers	110-54-3	10
1460	Hexanols	UN2282	10
1461	Hexazinone	51235-04-2	1000
1462	Hexyltrichlorosilane	928-65-4	10
1463	HHDN	309-00-2	0.5

NO.	NAME	CAS CODE	RQ FINAL
1464	HpCDD, 2,3,7,8-	37871-00-4	1
1465	HpCDF, 2,3,7,8-	38998-75-3	1
1466	HXCDD, 2,3,7,8-	4465-46-83	1
1467	HxCDF, 2,3,7,8-	55684-94-1	1
1468	Hydramethylnon	67485-29-4	1
1469	Hydrazine	302-01-2	0.5
1470	Hydrazine	302-01-2	0.5
1471	Hydrazine hydrate and aqueous solutions of hydrazine	7803-57-8	10
1472	Hydrazine sulphate	10034-93-2	1000
1473	Hydrazine, 1,1-dimethyl-	57-14-7	5
1474	Hydrazine, 1,2-diethyl-	1615-80-1	5
1475	Hydrazine, 1,2-dimethyl-	540-73-8	0.5
1476	Hydrazine, 1,2-diphenyl-	122-66-7	5
1477	Hydrazine, methyl-	60-34-4	5
1478	Hydrazobenzene	122-66-7	5

NO.	NAME	CAS CODE	RQ FINAL
1479	Hydriodic acid (hydrogen iodide solution)	10034-85-2	10
1480	Hydrobromic acid (hydrogen bromide solution, hydrogen bromide, anhydrous)	10035-10-6	10
1481	Hydrocarbon gases and mixtures of such gases, compressed, n.o.s. (Note 1)	68513-16-6	10
1482	Hydrochloric acid	7647-01-0	2500
1483	Hydrocyanic acid	74-90-8	5
1484	Hydrofluoboric acid	16872-11-0	10
1485	Hydrofluoric acid	7664-39-3	50
1486	Hydrogen	1333-74-0	5000
1487	Hydrogen and methane mixtures (flammable compressed gas)	UN2034	10
1488	Hydrogen chloride (anhydrous)	7647-01-0	250
1489	Hydrogen chloride (gas only)	7647-01-0	250
1490	Hydrogen cyanide	74-90-8	5
1491	Hydrogen fluoride	7664-39-3	50
1492	Hydrogen peroxide (Conc.> 52%)	7722-84-1	500

NO.	NAME	CAS CODE	RQ FINAL
1493	Hydrogen selenide	7783-07-5	5
1494	Hydrogen sulfide (Note 1)	7783-06-4	50
1495	Hydroperoxide, 1-methyl-1-phenylethyl-	80-15-9	5
1496	Hydroquinone	123-31-9	50
1497	Hydroselenic acid, anhydrous	7783-07-5	5
1498	Hydroxyalamine sulphate	10039-54-0	10
1499	Imazalil	35554-44-0	10
1500	Imazaquin	81335-37-7	1000
1501	Indeno(1,2,3-cd)pyrene	193-39-5	50
1502	Insecticide gases, flammable, n.o.s.	UN3354	10
1503	Insecticide gases, n.o.s.	UN1968	10
1504	Insecticide gases, n.o.s. Inhalation hazard Zone A,B,C, to D	UN3355	10
1505	Insecticide gases, toxic, n.o.s.	UN1967	10
1506	Iodine monochloride	7790-99-0	10
1507	Iodine pentafluoride	7783-66-6	10

NO.	NAME	CAS CODE	RQ FINAL
1508	Iprodione	36734-19-7	10
1509	Iron carbonyl (Fe(CO)5), (TB-5-11)-	13463-40-6	50
1510	Iron ore, Iron oxide, spent, or Iron sponge, spent obtained from coal gas purification	1317-60-8	10
1511	Iron powder	7439-89-6	10
1512	Iron, pentacarbonyl-	13463-40-6	50
1513	iso-Amyl acetate	123-92-2	2500
1514	Isobenzan	297-78-9	50
1515	Isobutane	75-28-5	5000
1516	iso-Butyl acetate	110-19-0	2500
1517	Isobutyl alcohol	78-83-1	2500
1518	Isobutyl isobutyrate	97-85-8	10
1519	Isobutyl methacrylate	97-86-9	10
1520	iso-Butylamine	78-81-9	500
1521	Isobutylene (isobutene)	68511-50-2	10
1522	Isobutyraldehyde	78-84-2	10

NO.	NAME	CAS CODE	RQ FINAL
1523	iso-Butyric acid	79-31-2	2500
1524	Isobutyronitrile	78-82-0	500
1525	Isocyanatocyclohexane	3173-53-3	1
1526	Isocyanic acid, 3,4-dichlorophenyl ester	102-36-3	250
1527	Isodrin	465-73-6	0.5
1528	Isofluorphate	55-91-4	50
1529	Isoheptenes	UN2287	10
1530	Isohexenes	UN2288	10
1531	Isolan	119-38-0	50
1532	Isononanoyl peroxide	67805-95-2	10
1533	Iso-octene	107-39-1	10
1534	Isopentane	78-78-4	5000
1535	Isopentene	563-45-1	5000
1536	Isophorone	78-59-1	2500
1537	Isophorone diisocyanate	4098-71-9	250

NO.	NAME	CAS CODE	RQ FINAL
1538	Isophorone diisocyanate	UN2290	10
1539	Isophoronediamine	2855-13-2	10
1540	Isoprene	78-79-5	50
1541	Isopropanolamine dodecylbenzene sulfonate	42504-46-1	500
1542	Iso-propenylbenzene (alpha-methylstyrene, 2-phenylpropene, cumene)	98-82-8	2500
1543	Isopropyl 2-chloropropionate	40058-87-5	10
1544	Isopropyl acetate	108-21-4	10
1545	Isopropyl alcohol	67-63-0	10
1546	Isopropyl butyrate	638-11-9	10
1547	Isopropyl chloride	75-29-6	5000
1548	Isopropyl chloroacetate	105-48-6	100
1549	Isopropyl chloroformate	108-23-6	500
1550	Isopropyl ether	108-20-3	10
1551	Isopropyl formate	625-55-8	10

NO.	NAME	CAS CODE	RQ FINAL
1552	Isopropyl methylphosphonic acid	1832-54-8	1000
1553	Isopropyl nitrate	1712-64-7	10
1554	Isopropylamine	75-31-0	5000
1555	Isopropylmethylpyrazolyl dimethylcarbamate	119-38-0	50
1556	Isosafrole	120-58-1	50
1557	Isothiocyanatomethane	556-61-6	250
1558	Isoxaben	82558-50-7	10
1559	Kepone	143-50-0	0.5
1560	Kerb	23950-58-5	2500
1561	Kerosene	64742-82-1	100
1562	Kerosene	8008-20-6	100
1563	Krypton, compressed or refrigerated liquid	7439-90-9	10
1564	Lactofen	77501-63-4	1000
1565	Lactonitrile	78-97-7	500
1566	Lasiocarpine	303-34-4	5

NO.	NAME	CAS CODE	RQ FINAL
1567	Lead	7439-92-1	5
1568	Lead acetate	301-04-2	5
1569	Lead arsenate	10102-48-4	0.5
1570	Lead arsenate	7645-25-2	0.5
1571	Lead arsenate	7784-40-9	0.5
1572	Lead arsenites	UN1618	10
1573	Lead chloride	7758-95-4	5
1574	Lead dioxide	1309-60-0	10
1575	Lead fluoborate	13814-96-5	5
1576	Lead fluoride	7783-46-2	5
1577	Lead iodide	10101-63-0	5
1578	Lead nitrate	10099-74-8	5
1579	Lead phosphate	7446-27-7	5
1580	Lead stearate	1072-35-1	5
1581	Lead stearate	52652-59-2	5

NO.	NAME	CAS CODE	RQ FINAL
1582	Lead stearate	56189-09-4	5
1583	Lead stearate	7428-48-0	5
1584	Lead subacetate	1335-32-6	5
1585	Lead sulfide	1314-87-0	5
1586	Lead sulphate	15739-80-7	5
1587	Lead sulphate	7446-14-2	5
1588	Lead thiocyanate	592-87-0	5
1589	Leptophos	21609-90-5	250
1590	Lewisite	541-25-3	5
1591	Lindane	58-89-9	0.5
1592	Linuron	330-55-2	100
1593	Liquefied non-flammable gases charged with nitrogen, carbon dioxide or air	13537-03-6	10
1594	Lithium chromate	14307-35-8	5
1595	Lithium hydride	7580-67-8	50
1596	Lithium hydroxide monohydrate	1310-66-3	10

NO.	NAME	CAS CODE	RQ FINAL
1597	Lithium hydroxide solution	UN2679	10
1598	Iodomethane	74-88-4	50
1599	Isododecane (pentamethylheptane)	31807-55-3	10
1600	Isopropalin	33820-53-0	1
1601	Isopropenyl acetate	108-22-5	10
1602	Lubricating oil		5000
1603	Magnesium	7439-95-4	1000
1604	Magnesium chloride	7786-30-3	1
1605	Malathion	121-75-5	50
1606	Maleic acid	110-16-7	2500
1607	Maleic anhydride	108-31-6	2500
1608	Maleic hydrazide	123-33-1	2500
1609	Malononitrile	109-77-3	500
1610	Mancozeb	8018-01-7	1000
1611	Maneb	12427-38-2	10

NO.	NAME	CAS CODE	RQ FINAL
1612	Manganese	7439-96-5	10
1613	Manganese chloride	7773-01-5	10
1614	Manganese dioxide	1313-13-9	10
1615	Manganese, tricarbonyl methylcyclopentadienyl	12108-13-3	50
1616	Manganese bis(dimethylcarbamodithioato-S,S')-	15339-36-3	5
1617	MBOCA	101-14-4	5
1618	MCPA	94-74-6	100
1619	MCPB	94-81-5	1
1620	MCPP	93-65-2	10
1621	m-Cresol	108-39-4	50
1622	MDI	101-68-8	2500
1623	m-Dinitrobenzene	99-65-0	50
1624	Mecarbam	2595-54-2	1
1625	Mechlorethamine	51-75-2	5

NO.	NAME	CAS CODE	RQ FINAL
1626	Mecoprop	93-65-2	10
1627	Medical waste (Bio)		10
1628	Melphalan	148-82-3	0.5
1629	Mephosfolan	950-10-7	250
1630	Mepiquat chloride	24307-26-4	100
1631	Mercaptans	UN3071	10
1632	Mercaptans, n.o.s. or Mercaptan mixture, n.o.s.	UN3336	10
1633	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mixtures, liquid, flammable, toxic, n.o.s.	UN1228	10
1634	Mercaptoacetic acid	68-11-1	100
1635	Mercaptodimethur	2032-65-7	5
1636	Mercuric acetate	1600-27-7	250
1637	Mercuric ammonium chloride	10124-48-8	1
1638	Mercuric arsenate	UN1623	10
1639	Mercuric chloride	7487-94-7	250

NO.	NAME	CAS CODE	RQ FINAL
1640	Mercuric cyanide	592-04-1	0.5
1641	Mercuric nitrate	10045-94-0	5
1642	Mercuric oxide	21908-53-2	250
1643	Mercuric sulphate	7783-35-9	5
1644	Mercuric thiocyanate	592-85-8	5
1645	Mercurous chloride	7546-30-7	1
1646	Mercurous nitrate	10415-75-5	5
1647	Mercurous nitrate	7782-86-7	5
1648	Mercury	7439-97-6	0.5
1649	Mercury	UN2809	10
1650	Mercury based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	UN2778	1
1651	Mercury based pesticides, liquid, toxic	UN3012	1
1652	Mercury based pesticides, liquid, toxic, flammable flash point not less than 23 degrees C	UN3011	1
1653	Mercury based pesticides, solid, toxic	UN2777	1

NO.	NAME	CAS CODE	RQ FINAL
1654	Mercury benzoate	583-15-3	1
1655	Mercury bromide	7789-47-1	1
1656	Mercury fulminate	628-86-4	5
1657	Mercury gluconate	63937-14-4	1
1658	Mercury iodide	15385-57-6	1
1659	Mercury nucleate	12002-19-6	1
1660	Mercury oleate	1191-80-6	1
1661	Mercury oxide	UN1641	1
1662	Mercury potassium iodine	UN1643	1
1663	Mercury salicylate	5970-32-1	1
1664	Merphos	150-50-5	100
1665	Merphos oxide	78-48-8	1
1666	Mesityl oxide	141-79-7	10
1667	Metalaxyl	57837-19-1	1000
1668	Metaldehyde	9002-91-9	100

NO.	NAME	CAS CODE	RQ FINAL
1669	Methacrolein diacetate	10476-95-6	500
1670	Methacrylic acid, inhibited	79-41-4	10
1671	Methacrylic anhydride	760-93-0	250
1672	Methacrylonitrile	126-98-7	250
1673	Methacryloyl chloride	920-46-7	50
1674	Methacryloyloxyethyl isocyanate	30674-80-7	50
1675	Methamidophos	10265-92-6	50
1676	Methanamine	74-89-5	50
1677	Methanamine, N,N-dimethyl-	75-50-3	50
1678	Methanamine, N-methyl-	124-40-3	500
1679	Methanamine, N-methyl-N-nitroso-	62-75-9	5
1680	Methane	74-82-8	5000
1681	Methane, chloro-	74-87-3	50
1682	Methane, chloromethoxy-	107-30-2	5
1683	Methane, isocyanato-	624-83-9	5

NO.	NAME	CAS CODE	RQ FINAL
1684	Methane, oxybis-	115-10-6	5000
1685	Methane, oxybis[chloro-	542-88-1	5
1686	Methane, tetranitro-	509-14-8	5
1687	Methane, trichloro-	67-66-3	5
1688	Methanesulfenyl chloride, trichloro-	594-42-3	50
1689	Methanesulfonyl fluoride	558-25-8	500
1690	Methanethiol	74-93-1	50
1691	Methanol	67-56-1	2500
1692	Methapyrilene	91-80-5	2500
1693	Methidathion	950-37-8	250
1694	Methiocarb	2032-65-7	5
1695	Methomyl	16752-77-5	50
1696	Methox -5-nitroaniline, 2-	99-59-2	1
1697	Methoxone	94-74-6	100
1698	Methoxychlor	72-43-5	0.5

NO.	NAME	CAS CODE	RQ FINAL
1699	Methoxyethanol acetate, 2-	110-49-6	100
1700	Methoxyethylmercuric acetate	151-38-2	250
1701	Methyl amyl acetate	7789-99-3	10
1702	Methyl 2-(4-((3-chloro-5- (trifluoromethyl)-2-pyridinyl)oxy)phenoxy) propanoate	69806-40-2	1000
1703	Methyl 2-chloroacrylate	80-63-7	250
1704	Methyl acetate	79-20-9	10
1705	Methyl acetone	78-93-3	10
1706	Methyl acetylene mixed with 15 to 20 per-cent propadiene	74-99-7	10
1707	Methyl acrylate	96-33-3	10
1708	Methyl Benzoate	93-58-3	10
1709	Methyl bromide	74-83-9	500
1710	Methyl butyrate	623-42-7	10
1711	Methyl chloride	74-87-3	50
1712	Methyl chloroacetate	96-34-4	10

NO.	NAME	CAS CODE	RQ FINAL
1713	Methyl chlorocarbonate	79-22-1	250
1714	Methyl chloroform	71-55-6	500
1715	Methyl chloroformate	79-22-1	250
1716	Methyl chlorosilane	993-00-0	10
1717	Methyl cyanide (acetonitrile)	75-05-8	2500
1718	Methyl cyclohexane	108-87-2	10
1719	Methyl cyclohexanols (hexahydromethyl phenol, hexahydrocresol) of flash point below 141°F (60,5°C)	25639-42-3	10
1720	Methyl cyclohexanone	1331-22-2	10
1721	Methyl cyclopentane	96-37-7	10
1722	Methyl ether	115-10-6	5000
1723	Methyl ethyl ketone	78-93-3	2500
1724	Methyl ethyl ketone peroxide	1338-23-4	5
1725	Methyl formate	107-31-3	5000
1726	Methyl hydrazine	60-34-4	5

NO.	NAME	CAS CODE	RQ FINAL
1727	Methyl iodide	74-88-4	50
1728	Methyl isobutyl carbinol (methyl amyl alcohol MIBC 4-methyl pentan-2-ol)	108-11-2	10
1729	Methyl isobutyl ketone	108-10-1	2500
1730	Methyl isocyanate	624-83-9	5
1731	Methyl isopropenyl ketone, inhibited	814-78-8	10
1732	Methyl isothiocyanate	556-61-6	250
1733	Methyl mercaptan	74-93-1	50
1734	Methyl mercury	22967-92-6	1
1735	Methyl methacrylate	80-62-6	500
1736	Methyl parathion	298-00-0	50
1737	Methyl phenkapton	3735-23-7	250
1738	Methyl phosphonic acid	993-13-5	100
1739	Methyl phosphonic dichloride	676-97-1	50
1740	Methyl propionate	554-12-1	10
1741	Methyl propyl ketone	107-87-9	10

NO.	NAME	CAS CODE	RQ FINAL
1742	Methyl salicylate	119-36-8	10
1743	Methyl tert-butyl ether	1634-04-4	500
1744	Methyl thiocyanate	556-64-9	5000
1745	Methyl vinyl ketone	78-94-4	5
1746	Methyl-5-Nitroaniline, 2-	99-55-8	50
1747	Methylal	109-87-5	10
1748	Methylaniline hydrochloride, 2-	636-21-5	50
1749	Methylchloromethyl ether (chloromethyl methyl ether)	107-30-2	5
1750	Methyldichlorosilane	75-54-7	10
1751	Methylene bis (phenylene diisocyanate)	39817-09-9	10
1752	Methylene bromide	74-95-3	500
1753	Methylene chloride	75-09-2	500
1754	Methylene-bis (2-chloroaniline), 4,4-	101-14-4	5
1755	Methylene-bis (N,N-dimethyl) Aniline, 4,4'-	101-61-1	1000
1756	Methylenebis(phenylisocyanate)	101-68-8	2500

NO.	NAME	CAS CODE	RQ FINAL
1757	Methylenebisbenzenamine, 4,4-	101-77-9	5
1758	Methylmercuric dicyanamide	502-39-6	250
1759	Methylpentane	43133-95-5	10
1760	Methylstyrene (mixed isomers)	25013-15-4	1000
1761	Methylstyrene, Alpha	98-83-9	1000
1762	Methyltetrahydrofuran	96-47-9	10
1763	Methylthiouracil	56-04-2	5
1764	Methyltrichlorosilane	75-79-6	250
1765	Metolachlor	51218-45-2	10
1766	Metolcarb	1129-41-5	500
1767	Metribuzin	21087-64-9	100
1768	Mevinphos	7786-34-7	5
1769	Mexacarbate	315-18-4	500
1770	Mirex	2385-85-5	1
1771	Mitomycin C	50-07-7	5

NO.	NAME	CAS CODE	RQ FINAL
1772	m-Nitrophenol	554-84-7	50
1773	m-Nitrotoluene	99-08-1	500
1774	Molinate	2212-67-1	1
1775	Molybdenum	7439-98-7	1000
1776	Monochloramine	10599-90-3	1
1777	Monochlorobenzene	108-90-7	50
1778	Monochlorobutanes	25154-42-1	1000
1779	Monochloropentafluoroethane	76-15-3	10
1780	Monocrotophos	2157-98-5	5
1781	Monocrotophos	6923-22-4	5
1782	Monoethylamine	75-04-7	50
1783	Monomethylamine	74-89-5	50
1784	Morpholine (tetrahydro-1,4-oxazine)	110-91-8	10
1785	Motor fuel anti-knock mixtures (“ethyl fluid”)	UN1649	10
1786	MTBE	1634-04-4	500

NO.	NAME	CAS CODE	RQ FINAL
1787	Muscimol	2763-96-4	500
1788	Mustard gas	505-60-2	250
1789	m-Xylene	108-38-3	500
1790	N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine	40487-42-1	100
1791	N-(2-Chloro-4-(trifluoromethyl)phenyl)-DL-valine(+)-cyano(3- phenoxyphenyl) methyl ester	69409-94-5	1
1792	N-(3,4-Dichlorophenyl)propanamide	709-98-8	1000
1793	N-(5-(1,1-Dimethylethyl)-1,3,4- thiadi-azol-2-yl)-N,N'-dimethylurea	34014-18-1	1000
1794	N, N-Diethylformamide	617-84-5	100
1795	N,N'- [(methylimino)dimethylidyne]di-2,4-xy-lidine	33089-61-1	10
1796	N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamine	7287-19-6	1000
1797	N,N-diethyl aniline	91-66-7	10
1798	N,N-Diethylaminoethanol 2-diethylethan-laminediethylaminoethanol	100-37-8	100
1799	N,N-Diethylaniline	91-66-7	100

NO.	NAME	CAS CODE	RQ FINAL
1800	N,N-Diethylethylenediamine	100-36-7	5000
1801	N,N-Dimethylaniline	121-69-7	50
1802	N,N-Dimethylcyclohexylamine	98-94-2	10
1803	N,N-Dimethylethanolamine (deanol, 2-dimethylaminoethanol/ 2-dimethytaminoethanol)	108-01-0	10
1804	N,N-Dimethylformamide	68-12-2	50
1805	N,N-Dipheyl- 1,4-benzenediamine	74-31-7	100
1806	Naled	300-76-5	5
1807	N-aminoethylpiperazine	140-31-8	100
1808	N-amylene	25377-72-4	100
1809	Naphtha (coal tar, crude and solvent)	65996-84-1	10
1810	Naphthalene	91-20-3	50
1811	Naphthalene, 2-Methyl	91-57-6	10
1812	Naphthalene, molten	91-20-1	10
1813	Naphthenic acid	1338-24-5	50

NO.	NAME	CAS CODE	RQ FINAL
1814	Naphthylamine (alpha)	UN2077	10
1815	Napropamide	15299-99-7	100
1816	Natural gasoline (casinghead gasoline)	68425-31-0	10
1817	n-Butyl alcohol	71-36-3	2500
1818	n-Butyl Aldehyde	123-72-8	100
1819	n-Butyl chloroformate	592-34-7	10
1820	n-Butyl methacrylate	97-88-1	10
1821	n-Butyl peroxydicarbonate	16215-49-9	10
1822	n-Butyl phthalate	84-74-2	5
1823	N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl) benzenamine	1861-40-1	10
1824	n-Butyric acid	107-92-6	2500
1825	n-Decane	124-18-5	10
1826	n-Dioctylphthalate	117-84-0	2500
1827	Nendrin	72-20-8	0.5

NO.	NAME	CAS CODE	RQ FINAL
1828	Neon, compressed or refrigerated liquid (cryogenic liquid)	7440-01-9	10
1829	N-Ethylaniline	103-69-5	100
1830	N-ethylbenzyltoluidines, liquid or solid		10
1831	N-Ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5,-triazine-2,4- diamine	834-12-8	10
1832	N-ethyl-N-benzylaniline	92-59-1	1
1833	n-Heptene	592-76-7	10
1834	n-Hexane	110-54-3	2500
1835	n-Hexanes	110-54-3	1
1836	Nickel	7440-02-0	50
1837	Nickel ammonium sulphate	15699-18-0	50
1838	Nickel carbonyl	13463-39-3	0.5
1839	Nickel chloride	37211-05-5	50
1840	Nickel chloride	7718-54-9	50
1841	Nickel cyanide	557-19-7	5

NO.	NAME	CAS CODE	RQ FINAL
1842	Nickel hydroxide	12054-48-7	5
1843	Nickel nitrate	13138-45-9	50
1844	Nickel nitrate	14216-75-2	50
1845	Nickel nitrite	17861-62-0	10
1846	Nickel sulphate	7786-81-4	50
1847	Nicotine	54-11-5	50
1848	Nicotine and salts	54-11-5	50
1849	Nicotine compounds, n.o.s.	UN3144	10
1850	Nicotine compounds or preparations, solid, n.o.s.	UN1655	10
1851	Nicotine sulphate	65-30-5	50
1852	Nitrapyrin	1929-82-4	10
1853	Nitrate	14797-55-8	100
1854	Nitrates, inorganic, aqueous solution, n.o.s.	UN3218	10
1855	Nitrates, inorganic, n.o.s	UN1477	10
1856	Nitrating acid mixture, spent	51602-38-1	10

NO.	NAME	CAS CODE	RQ FINAL
1857	Nitric acid	7697-37-2	500
1858	Nitric oxide	10102-43-9	5
1859	Nitric oxide and dinitrogen tetroxide mixture (Nitric oxide and nitrogen tetroxide mixtures)	10102-43-9	10
1860	Nitric oxide and dinitrogen tetroxide mixture (Nitric oxide and nitrogen tetroxide mixtures)	10544-72-7	10
1861	Nitrite (Nitrites, toxic, liquid)	14797-65-0	100
1862	Nitroaniline, 2-	88-74-4	1000
1863	Nitroaniline, 3-	99-09-2	1000
1864	Nitroaniline, 4-	100-01-6	2500
1865	Nitroanilines (o-; m-; p-;)	UN1661	10
1866	Nitroanisoles, liquid	UN2730	10
1867	Nitroanisoles, solid	UN3458	10
1868	Nitrobenzene	98-95-3	500
1869	Nitrobenzene (nitrobenzol, mirbane oil)	UN1662	10
1870	Nitrobenzenesulphonic acid	98-47-5	10

NO.	NAME	CAS CODE	RQ FINAL
1871	Nitrobenzotrifluorides, liquid	402-54-0	1
1872	Nitrocellulose membrane filters (Nitrocellulose with alcohol)	9004-70-0	10
1873	Nitrocresols	4920-77-8	10
1874	Nitrocyclohexane	1122-60-7	250
1875	Nitroethane	79-24-3	100
1876	Nitrofurantoin	67-20-9	1000
1877	Nitrofurazone	59-87-0	1000
1878	Nitrogen compressed or refrigerated liquid	7727-37-9	10
1879	Nitrogen dioxide (nitrogen tetroxide) (Note 1)	10102-44-0	5
1880	Nitrogen dioxide (Note 1)	10544-72-6	5
1881	Nitrogen mustard	51-75-2	5
1882	Nitrogen oxide (NO) (Note 1)	10102-43-9	5
1883	Nitrogen trifluoride	7783-54-2	10
1884	Nitroglycerin	55-63-0	5

NO.	NAME	CAS CODE	RQ FINAL
1885	Nitroglycerin	UN3064	10
1886	Nitroglycerin (Glycerol trinatrate) solution in alcohol containing not more than 1 percent nitroglycerin	55-63-0	5
1887	Nitroglycerin mixture, desensitized, n.o.s.	UN3319	10
1888	Nitroglycerin mixture, desensitized, n.o.s.	UN3343	10
1889	Nitroglycerin mixture, desensitized, n.o.s.	UN3357	10
1890	Nitroglycerin solution in alcohol with not more than 1 percent nitroglycerin	UN1204	10
1891	Nitroglycerin, desensitized with not less than 40 percent non-volatile water insoluble phlegmatizer, by mass	UN0143	10
1892	Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 10 per-cent nitrogylcerin	UN0144	10
1893	Nitroguanidine	556-88-7	1000
1894	Nitroguanidine or Picrite	UN0282	1000
1895	Nitroguanidine, wetted or Picrite, wetted with not less than 20 percent water, by mass	UN1336	10
1896	Nitrohydrochloric acid	UN1798	1000

NO.	NAME	CAS CODE	RQ FINAL
1897	Nitrohydrochloric acid (nitromuriatic acid)	8007-56-5	10
1898	Nitromethane	75-52-5	100
1899	Nitromuriatic acid	88-75-5	10
1900	Nitrophenol (mixed isomers)	25154-55-6	50
1901	Nitrophenol, 4-	100-02-7	50
1902	Nitrosodiethanolamine, N-	1116-54-7	0.5
1903	Nitrosodiethylamine, N-	55-18-5	0.5
1904	Nitrosodimethylamine	62-75-9	5
1905	Nitroso-di-N-butylamine, N-	924-16-3	1
1906	Nitrosomethylethylamine, N-	10595-95-6	1
1907	Nitrosopyrrolidine, N-	930-55-2	1000
1908	Nitrostarch, wetted	9056-38-6	10
1909	Nitrosyl chloride	2696-92-6	10
1910	Nitrosylsulphuric acid	7782-78-7	10
1911	Nitrotoluene	1321-12-6	500

NO.	NAME	CAS CODE	RQ FINAL
1912	Nitrotoluene, m-	1321-12-7	100
1913	Nitrotoluene, m-	99-08-1	100
1914	Nitrotoluenes, liquid	UN1664	100
1915	Nitrotoluenes, solid	UN3446	10
1916	Nitrotoluidines (mono)	UN2660	10
1917	Nitrotriazolone	932-64-9	10
1918	Nitrous acid, ethyl ester	109-95-5	5000
1919	Nitrous oxide	10024-97-2	10
1920	Nitroxylenes	25168-04-1	10
1921	Nitroxylenes	UN1665	10
1922	Nitroxylenes, solid	UN3447	10
1923	N-Nitrosodiethanolamine	1116-54-7	0.5
1924	N-Nitrosodiethylamine	55-18-5	0.5
1925	N-Nitrosodimethylamine	62-75-9	5
1926	N-Nitrosodi-n-butylamine	924-16-3	5

NO.	NAME	CAS CODE	RQ FINAL
1927	N-Nitrosodi-n-propylamine	621-64-7	5
1928	N-Nitrosodiphenylamine	86-30-6	50
1929	N-Nitrosomethylvinylamine	4549-40-0	5
1930	N-Nitrosomorpholine	59-89-2	0.5
1931	N-Nitroso-N-ethylurea	759-73-9	0.5
1932	N-Nitroso-N-methylurea	684-93-5	0.5
1933	N-Nitroso-N-methylurethane	615-53-2	0.5
1934	N-Nitrosopiperidine	100-75-4	5
1935	N-Nitrosopyrrolidine	930-55-2	0.5
1936	Nonane and its isomers	111-84-2	10
1937	Nonylphenol	25154-52-3	1
1938	Nonyltrichlorosilane	5283-67-0	10
1939	Norbormide	991-42-4	50
1940	Norflurazon	27314-13-2	10
1941	n-Pentane and iso-pentane	109-66-0	10

NO.	NAME	CAS CODE	RQ FINAL
1942	n-Pentane and iso-pentane	78-78-5	10
1943	n-Propylamine	107-10-8	2500
1944	Nustar	85509-19-9	10
1945	O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)-O,O-dimethyl phosphorothioate	29232-93-7	100
1946	O,O-Diethyl O-pyrazinyl phosphorothioate	297-97-2	50
1947	O,O-Diethyl S-methyl dithiophosphate	3288-58-2	2500
1948	O,O-Dimethyl O-(3-methyl-4-(methylthio) phenyl) ester, phosphorothioic acid	55-38-9	1
1949	O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate	5598-13-0	1
1950	o-Anisidine	90-04-0	50
1951	OCDD	3268-87-9	1
1952	OCDF	39001-02-0	1
1953	o-Chlorophenol	95-57-8	50
1954	o-Cresol	95-48-7	50

NO.	NAME	CAS CODE	RQ FINAL
1955	Octabromodiphenyl ether	32536-52-0	100
1956	Octadecyltrichlorosilane	112-04-9	10
1957	Octadiene	3710-30-3	10
1958	Octafluorocyclobutane	115-25-3	10
1959	Octamethylpyrophosphoramide	152-16-9	50
1960	Octanes and its isomers	111-65-9	10
1961	Octanoic Acid	124-07-2	100
1962	Octanoic acid, 2,6-dibromo-4-cyanophenyl ester	1689-99-2	10
1963	Octanol, 1-	111-87-5	100
1964	Octanone, 2-	111-13-7	100
1965	Octogen (Cyclotetramethylene (Octahydro-1,3,5,7-tetranitro 1,3,5,7-tetra), (HMX)	2691-41-0	10
1966	Octonal	UN0496	10
1967	Octyl aldehydes	124-13-0	10
1968	Octyl Phthalate, di-N-	117-84-0	2500

NO.	NAME	CAS CODE	RQ FINAL
1969	Octyltrichlorosilane	5283-66-9	10
1970	o-Dichlorobenzene	95-50-1	50
1971	o-Dinitrobenzene	528-29-0	50
1972	Oil gas, compressed	UN1071	10
1973	Oleum (fuming sulphuric acid)	8014-95-7	500
1974	Omethoate	1113-02-6	1
1975	o-Nitrotoluene	88-72-2	500
1976	Organic pigments, self heating	UN3313	10
1977	Organic-peroxide type B, C, D, E, F	937-14-4	10
1978	Organoarsenic compound, n.o.s	UN3280	10
1979	Organoarsenic compound, solid, n.o.s.	UN3465	10
1980	Organochlorine pesticides	UN2761	10
1981	Organochlorine pesticides	UN2762	10
1982	Organochlorine pesticides	UN2995	10
1983	Organochlorine pesticides	UN2996	10

NO.	NAME	CAS CODE	RQ FINAL
1984	Organometallic substance, liquid, pyrophoric, water-reactive	166328-08-1	10
1985	Organophosphorous pesticides and herbicides with an LD50 value above 50 mg/kg	130538-97-5	10
1986	Organophosphorus compound, n.o.s.	UN3278	10
1987	Organophosphorus compound, n.o.s.	UN3279	10
1988	Organophosphorus compound, toxic, solid, n.o.s.	UN3464	10
1989	Organophosphorus pesticide	5131-24-8	10
1990	Organorhodium Complex (PMN-82-147)	NA	5
1991	Organotin compound, toxic	36253-76-6	10
1992	Ortho-anisidine	90-04-0	50
1993	Oryzalin	19044-88-3	10
1994	Osmium oxide OsO4 (T-4)-	20816-12-0	100
1995	Osmium tetroxide	20816-12-0	100
1996	Other poisonous cyanide substances, preparations and admixtures containing or yielding the equivalent of one-tenth percent or more of hydrocyanic acid;		1

NO.	NAME	CAS CODE	RQ FINAL
1997	o-Tolidine	119-93-7	5
1998	o-Toluidine	95-53-4	50
1999	o-Toluidine hydrochloride	636-21-5	50
2000	Ouabain	630-60-4	50
2001	Oxamyl	23135-22-0	50
2002	Oxetane, 3,3-bis(chloromethyl)-	78-71-7	250
2003	Oxidizing solid, n.o.s.	UN1479	10
2004	Oxirane	75-21-8	5
2005	Oxirane, (chloromethyl)-	106-89-8	50
2006	Oxirane, methyl-	75-56-9	50
2007	Oxydiazon	19666-30-9	10
2008	Oxydisulfoton	2497-07-6	250
2009	Oxyfluorfen	42874-03-3	1
2010	Oxygen difluoride	7783-41-7	10
2011	Oxygen, compressed	UN1072	10

NO.	NAME	CAS CODE	RQ FINAL
2012	Oxygen, refrigerated liquid (cryogenic liquid)	UN1073	10
2013	o-Xylene	95-47-6	500
2014	Ozone	10028-15-6	50
2015	Paclobutrazol	76738-62-0	100
2016	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base	UN1263	10
2017	Paper, unsaturated oil treated	97862-76-5	10
2018	Paraffin	64742-82-1	100
2019	Paraffin	8008-20-6	100
2020	Paraformaldehyde	30525-89-4	500
2021	Paraldehyde	123-63-7	500
2022	Paraquat	4685-14-7	100
2023	Paraquat dichloride	1910-42-5	5
2024	Paraquat methosulphate	2074-50-2	5
2025	Parathion	56-38-2	5

NO.	NAME	CAS CODE	RQ FINAL
2026	Parathion-methyl	298-00-0	50
2027	para-Toluidines	106-49-0	50
2028	Paris green	12002-03-8	0.5
2029	p-Benzoquinone	106-51-4	5
2030	PCBs	1336-36-3	0.5
2031	p-Chloroaniline	106-47-8	500
2032	p-Chlorobenzoic acid	74-11-3	100
2033	p-Chloro-m-cresol	59-50-7	2500
2034	PCNB	82-68-8	50
2035	PCP	87-86-5	5
2036	p-Cresol	106-44-5	50
2037	p-Cymene (cymol, methylpropylbenzene, isopropyltoluene, isopropyltoluol)	99-87-6	10
2038	p-Dinitrobenzene	100-25-4	50
2039	Pebulate	1114-71-2	10
2040	PeCDD, 2,3,7,8-	36088-22-9	1

NO.	NAME	CAS CODE	RQ FINAL
2041	PeCDF, 1,2,3,7,8-	57117-41-6	1
2042	PeCDF, 2,3 4,7,8-	57117-31-4	1
2043	Pendimethalin	40487-42-1	100
2044	Pentaborane	19624-22-7	250
2045	Pentabromodiphenyl ether	32534-81-9	100
2046	Pentachlorobenzene	608-93-5	5
2047	Pentachloroethane	76-01-7	5
2048	Pentachloronitrobenzene	82-68-8	50
2049	Pentachlorophenol	87-86-5	5
2050	Pentadecylamine	2570-26-5	50
2051	Pentaertythrite tetranitrate mixture, desensitized	72689-48-6	10
2052	Pentaerythrite tetranitrate, wetted or Pentaerythritol tetranitrate, wetted, or PETN, wetted with not less than 25 percent water, by mass, or Pentaerythrite tetranitrate, or Pentaerythritol tetranitrate or PETN, desensitized with not less than 15 percent phlegmatizer by mass	UN0150	10
2053	Pentaerythritol tetranitrate	78-11-5	1

NO.	NAME	CAS CODE	RQ FINAL
2054	Pentafluoroethane	354-33-6	10
2055	Pentane	109-66-0	5000
2056	Pentane-2,4-dione	81235-32-7	10
2057	Pentanol	13403-73-1	10
2058	Pentanols	UN1105	10
2059	Peracetic acid	79-21-0	250
2060	Perchlorates, inorganic	314041-20-8	10
2061	Perchloric acid	7601-90-3	1000
2062	Perchloroethylene	127-18-4	50
2063	Perchloromethyl mercaptan	594-42-3	50
2064	Perchloryl fluoride	7616-94-6	100
2065	Permethrin	52645-53-1	1
2066	Petrol	86290-81-5	100
2067	Petroleum crude oil	9072-35-9	10
2068	Petroleum Thinners (Turpentine)	8006-64-2	100

NO.	NAME	CAS CODE	RQ FINAL
2069	Phenacetin	62-44-2	50
2070	Phenacyl bromide	70-11-1	100
2071	Phenanthrene	85-01-8	2500
2072	Phenol	108-95-2	500
2073	Phenol, 2-(1-methylethoxy)-,methylcarbamate	114-26-1	50
2074	Phenol, 2,2'-thiobis[4-chloro-6-methyl-	4418-66-0	50
2075	Phenol, 3-(1-methylethyl)-,methylcarbamate	64-00-6	5
2076	Phenolsulphonic acid	UN1803	10
2077	Phenoxarsine, 10,10'-oxydi-	58-36-6	250
2078	Phenyl dichloroarsine	696-28-6	0.5
2079	Phenyl isocyanate	103-71-9	100
2080	Phenylacetyl chloride	103-80-0	100
2081	Phenylhydrazine	100-63-0	1
2082	Phenylhydrazine hydrochloride	59-88-1	500

NO.	NAME	CAS CODE	RQ FINAL
2083	Phenylmercuric acetate	62-38-4	50
2084	Phenylmercuric hydroxide	100-57-2	100
2085	Phenylphosphorus Dichloride	644-97-3	100
2086	Phenylsilatrane	2097-19-0	50
2087	Phenylthiourea	103-85-5	50
2088	Phenyltrichlorosilane	98-13-5	250
2089	Phorate	298-02-2	5
2090	Phosacetim	4104-14-7	50
2091	Phosfolan	947-02-4	50
2092	Phosgene	75-44-5	5
2093	Phosgene (carbonyl chloride)	UN1076	10
2094	Phosmet	732-11-6	100
2095	Phosphamidon	13171-21-6	50
2096	Phosphine	7803-51-2	50
2097	Phosphonic acid, (2,2,2-trichloro-1-hydrox-yethyl)-,dimethyl ester	52-68-6	50

NO.	NAME	CAS CODE	RQ FINAL
2098	Phosphonothioic acid, methyl-, O-ethyl O-(4-(methylthio)phenyl) ester	2703-13-1	250
2099	Phosphonothioic acid, methyl-, O-(4-nitrophenyl) O-phenyl ester	2665-30-7	250
2100	Phosphonothioic acid, methyl-, S-(2-(bis(1-methylethyl)amino)ethyl) O- ethyl ester	50782-69-9	50
2101	Phosphoric acid	7664-38-2	2500
2102	Phosphoric acid, 2-chloro-1-(2,3,5-trichloro-phenyl) ethenyl dimethyl ester	961-11-5	1
2103	Phosphoric acid, 2-dichloroethenyl dimethyl ester	62-73-7	5
2104	Phosphoric acid, dimethyl 4- (methylthio) phenyl ester	3254-63-5	250
2105	Phosphorodithioic acid O-ethyl S,S- dipro-pyl ester	13194-48-4	500
2106	Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester	56-38-2	5
2107	Phosphorothioic acid, O,O-dimethyl-5-(2-(methylthio)ethyl) ester	2587-90-8	250
2108	Phosphorous trichloride	7719-12-2	500
2109	Phosphorus (yellow or white)	7723-14-0	0.5

NO.	NAME	CAS CODE	RQ FINAL
2110	Phosphorus heptasulfide	12037-82-0	100
2111	Phosphorus oxybromide	7789-59-5	100
2112	Phosphorus oxychloride	10025-87-3	250
2113	Phosphorus pentachloride	10026-13-8	250
2114	Phosphorus pentasulphide phosphorus	1314-80-3	50
2115	Phosphorus pentoxide	1314-56-3	100
2116	Phosphorus sesquisulphide	1314-85-8	100
2117	Phosphorus sulphochloride	3982-91-0	1000
2118	Phosphorus tribromide	7789-60-8	100
2119	Phosphorus trichloride	7719-12-2	500
2120	Phosphoryl chloride	10025-87-3	250
2121	Phthalic anhydride	85-44-9	2500
2122	Physostigmine	57-47-6	50
2123	Physostigmine, salicylate (1:1)	57-64-7	50
2124	Picloram	1918-02-1	100

NO.	NAME	CAS CODE	RQ FINAL
2125	Picolines á,ß,ã	1333-41-1	100
2126	Picramic acid	96-91-3	10
2127	Picramide	489-98-5	1
2128	Picric acid	88-89-1	10
2129	Picrotoxin	124-87-8	250
2130	Pinanyl hydroperoxide	28324-52-9	10
2131	Pine oil	8002-09-3	1000
2132	Piperazine	110-85-0	100
2133	Piperidine	110-89-4	500
2134	Pirimifos-ethyl	23505-41-1	500
2135	Pirimiphos, methyl	29232-93-7	100
2136	Plumbane, tetramethyl-	75-74-1	50
2137	p-Menthane hydroperoxide	80-47-7	1000
2138	p-Nitroaniline	100-01-6	2500
2139	p-Nitrophenol	100-02-7	50

NO.	NAME	CAS CODE	RQ FINAL
2140	p-Nitrotoluene	99-99-0	500
2141	Polybrominated biphenyls (PBB)	67774-32-7	10
2142	Polychlorinated biphenyls	1336-36-3	0.5
2143	Polyester resin kit	UN3269	100
2144	Polyhalogenated biphenyls	UN3151	100
2145	Polystyrene	9003-53-6	1000
2146	Potassium arsenate	7784-41-0	0.5
2147	Potassium arsenite	10124-50-2	0.5
2148	Potassium bichromate	7778-50-9	5
2149	Potassium borohydride	13762-51-1	100
2150	Potassium Chlorate	3811-04-9	1000
2151	Potassium chromate	7789-00-6	5
2152	Potassium cyanide	151-50-8	5
2153	Potassium Dithionite	14293-73-3	100
2154	Potassium fluoride	7789-23-3	10

NO.	NAME	CAS CODE	RQ FINAL
2155	Potassium hydrogen fluoride (Potassium bifluoride)	7789-29-9	10
2156	Potassium Hydrogen Sulphate	7646-93-7	100
2157	Potassium hydroxide	1310-58-3	500
2158	Potassium metal alloys	7440-09-7	100
2159	Potassium monoxide	12136-45-7	100
2160	Potassium nitrate	7757-79-1	100
2161	Potassium permanganate	7722-64-7	50
2162	Potassium phosphate	7778-53-2	100
2163	Potassium silver cyanide	506-61-6	0.5
2164	Potassium sodium alloy, liquid	11135-81-2	100
2165	Powder cake/paste wetted	UN0433	1
2166	p-Phenylenediamine	106-50-3	2500
2167	Printing ink, flammable or Printing ink related material (including printing ink thinning or reducing compound) flammable	UN1210	10
2168	Prochloraz	67747-09-5	1000

NO.	NAME	CAS CODE	RQ FINAL
2169	Profluralin	26399-36-0	10
2170	Promecarb	2631-37-0	500
2171	Prometon	1610-18-0	10
2172	Prometryn	7287-19-6	1000
2173	Pronamide	23950-58-5	2500
2174	Propachlor	1918-16-7	1000
2175	Propadiene (aliene)	463-49-0	5000
2176	Propane	74-98-6	5000
2177	Propane 1,2-dichloro-	78-87-5	500
2178	Propane sultone	1120-71-4	5
2179	Propane, 2,2-dimethyl-	463-82-1	5000
2180	Propane, 2-chloro-	75-29-6	5000
2181	Propane, 2-methyl	75-28-5	5000
2182	Propanenitrile	107-12-0	5
2183	Propanenitrile, 2-methyl-	78-82-0	500

NO.	NAME	CAS CODE	RQ FINAL
2184	Propanethiol	107-03-9	100
2185	Propanil	709-98-8	1000
2186	Propargite	2312-35-8	5
2187	Propargyl alcohol	107-19-7	500
2188	Propargyl bromide	106-96-7	5
2189	Propazine	139-40-2	10
2190	Propene	115-07-1	5000
2191	Propham	122-42-9	500
2192	Propiconazole	60207-90-1	1000
2193	Propionaldehyde	123-38-6	500
2194	Propionic acid	79-09-4	2500
2195	Propionic anhydride	123-62-6	2500
2196	Propionitrile	107-12-0	5
2197	Propionitrile, 3-chloro-	542-76-7	500
2198	Propionyl anhydride	123-62-6	2500

NO.	NAME	CAS CODE	RQ FINAL
2199	Propionyl chloride	79-03-8	100
2200	Propiophenone, 4’-amino	70-69-9	50
2201	Propoxur	114-26-1	50
2202	Propyl acetate, normal	109-60-4	100
2203	Propyl alcohol, see Propanol	71-23-8	100
2204	Propyl benzene	103-65-1	10
2205	Propyl chloride	540-54-5	100
2206	Propyl chloroformate	109-61-5	250
2207	Propyl nitrate, normal	627-13-4	100
2208	Propylene	115-07-1	5000
2209	Propylene glycol	57-55-6	1000
2210	Propylene glycol monomethyl ether acetate	108-65-6	1000
2211	Propylene oxide	75-56-9	50
2212	Propylenediamine	78-90-0	100
2213	Propyleneimine	75-55-8	0.5

NO.	NAME	CAS CODE	RQ FINAL
2214	Propyltrichlorosilane	141-57-1	100
2215	Propyne	74-99-7	5000
2216	Propyzamide	23950-58-5	2500
2217	Prothoate	2275-18-5	50
2218	p-Toluidine	106-49-0	50
2219	p-Xylene	106-42-3	50
2220	Pydrin	51630-58-1	100
2221	Pyrene	129-00-0	250
2222	Pyrethrins	121-21-1	0.5
2223	Pyrethrins	121-29-9	0.5
2224	Pyrethrins	8003-34-7	0.5
2225	Pyrethroid pesticide	UN3352	100
2226	Pyridine	110-86-1	500
2227	Pyridine, 2-methyl-5-vinyl-	140-76-1	250
2228	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-,(S)-	54-11-5	50

NO.	NAME	CAS CODE	RQ FINAL
2229	Pyridine, 4-amino-	504-24-5	500
2230	Pyridine, 4-nitro-, 1-oxide	1124-33-0	250
2231	Pyriminil	53558-25-1	50
2232	Pyrosulfuryl chloride	7791-27-7	1000
2233	Pyrrolidine	123-75-1	10
2234	Quinoline	91-22-5	2500
2235	Quinone	106-51-4	5
2236	Quintozene	82-68-8	50
2237	Quizalofop-ethyl	76578-14-8	1000
2238	Reserpine	50-55-5	2500
2239	Residual fuel oil	68476-33-5	100
2240	Resmethrin	10453-86-8	1000
2241	Resorcinol	108-46-3	2500
2242	Ronnel	299-84-3	100
2243	Rosin oil	UN1286	100

NO.	NAME	CAS CODE	RQ FINAL
2244	Rotenone	83-79-4	1
2245	Rubber solution	UN 1287	100
2246	Rubidium	7440-17-7	1000
2247	Rubidium hydroxide solution	1310-82-3	100
2248	S,S,S-Tributyltrithiophosphate	78-48-8	1
2249	Saccharin and salts	81-07-2	50
2250	Safrole	94-59-7	50
2251	Salcomine	14167-18-1	250
2252	Sarin	107-44-8	5
2253	sec-Amyl acetate	626-38-0	2500
2254	sec-Butyl acetate	105-46-4	2500
2255	sec-Butyl alcohol	71-36-3	1000
2256	sec-Butyl alcohol	75-65-2	1000
2257	sec-Butyl alcohol	78-92-2	1000
2258	sec-Butylamine	13952-84-6	500

NO.	NAME	CAS CODE	RQ FINAL
2259	sec-Butylamine	513-49-5	500
2260	Selenic acid	7783-08-6	10
2261	Selenious acid	7783-00-8	5
2262	Selenious acid, dithallium(1+) salt	12039-52-0	500
2263	Selenium	7782-49-2	50
2264	Selenium dioxide	7446-08-4	5
2265	Selenium hexafluoride	7783-79-1	100
2266	Selenium oxychloride	7791-23-3	250
2267	Selenium sulfide	7488-56-4	5
2268	Selenourea	630-10-4	500
2269	Semicarbazide hydrochloride	563-41-7	500
2270	Sethoxydim	74051-80-2	10
2271	Shale oil	68308-34-9	100
2272	Silane	7803-62-5	5000
2273	Silane, (4-aminobutyl)diethoxymethyl-	3037-72-7	500

NO.	NAME	CAS CODE	RQ FINAL
2274	Silane, chlorotrimethyl-	75-77-4	500
2275	Silane, dichloro-	4109-96-0	5000
2276	Silane, dichlorodimethyl-	75-78-5	250
2277	Silane, tetramethyl-	75-76-3	5000
2278	Silane, trichloro-	10025-78-2	5000
2279	Silane, trichloromethyl-	75-79-6	250
2280	Silicon powder, Amorphous	7440-21-3	10
2281	Silicon tetrachloride	10026-04-7	100
2282	Silicon tetrafluoride	7783-61-1	1000
2283	Silver	7440-22-4	500
2284	Silver arsenite	7784-08-9	100
2285	Silver cyanide	506-64-9	0.5
2286	Silver nitrate	7761-88-8	0.5
2287	Silvex (2,4,5-TP)	93-72-1	50
2288	Simazine	122-34-9	1000

NO.	NAME	CAS CODE	RQ FINAL
2289	Sodium	7440-23-5	5
2290	Sodium aluminate	11138-49-2	1000
2291	Sodium aluminate	1302-42-7	1000
2292	Sodium aluminium hydride	13770-96-2	100
2293	Sodium arsenate	7631-89-2	0.5
2294	Sodium arsenite	7784-46-5	0.5
2295	Sodium azide (Na(N3))	26628-22-8	250
2296	Sodium bichromate	10588-01-9	5
2297	Sodium bifluoride	1333-83-1	50
2298	Sodium bisulphite	7631-90-5	2500
2299	Sodium bromate	7789-38-0	100
2300	Sodium cacodylate	124-65-2	50
2301	Sodium chlorate (Chlorate)	7775-09-9	100
2302	Sodium chlorite	7758-19-2	100
2303	Sodium chromate	7775-11-3	5

NO.	NAME	CAS CODE	RQ FINAL
2304	Sodium cyanide (Na(CN))	143-33-9	5
2305	Sodium dichromate	10588-01-9	5
2306	Sodium diethyl dithiocarbamate	148-18-5	10
2307	Sodium dodecylbenzenesulfonate	25155-30-0	500
2308	Sodium fluoride	7681-49-4	500
2309	Sodium fluoroacetate	62-74-8	5
2310	Sodium fluorosilicate	16893-85-9	10
2311	Sodium hydride	7646-69-7	100
2312	Sodium hydrogendifluoride	1333-83-1	50
2313	Sodium hydrosulphide	16721-80-5	2500
2314	Sodium hydroxide	1310-73-2	500
2315	Sodium hypochlorite	10022-70-5	50
2316	Sodium hypochlorite	7681-52-9	50
2317	Sodium metavanadate	13718-26-8	100
2318	Sodium methylate	124-41-4	500

NO.	NAME	CAS CODE	RQ FINAL
2319	Sodium nitrate	7631-99-4	100
2320	Sodium nitrite	7632-00-0	50
2321	Sodium phosphate, dibasic	10039-32-4	2500
2322	Sodium phosphate, dibasic	10140-65-5	2500
2323	Sodium phosphate, dibasic	7558-79-4	2500
2324	Sodium phosphate, tribasic	10101-89-0	2500
2325	Sodium phosphate, tribasic	10361-89-4	2500
2326	Sodium phosphate, tribasic	7601-54-9	2500
2327	Sodium picramate	831-52-7	1
2328	Sodium selenate	13410-01-0	50
2329	Sodium selenite	10102-18-8	50
2330	Sodium selenite	7782-82-3	50
2331	Sodium sulphide	1313-82-2	100
2332	Sodium superoxide	12034-12-7	1000
2333	Sodium tellurite	10102-20-2	250

NO.	NAME	CAS CODE	RQ FINAL
2334	Stannane, acetoxytriphenyl-	900-95-8	250
2335	Stannic chloride pentahydrate	10026-06-9	100
2336	Stannic chloride, anhydrous	7646-78-8	100
2337	Stirofos	961-11-5	1
2338	Streptozotocin	18883-66-4	0.5
2339	Strontium arsenite	UN1691	100
2340	Strontium chromate	7789-06-2	5
2341	Strontium nitrate	10042-76-9	100
2342	Strychnine	57-24-9	5
2343	Strychnine, and salts	57-24-9	5
2344	Strychnine, sulphate	60-41-3	5
2345	Styphnic acid	82-71-3	1
2346	Styrene	100-42-5	500
2347	Styrene oxide	96-09-3	50
2348	Sulfotep	3689-24-5	50

NO.	NAME	CAS CODE	RQ FINAL
2349	Sulfoxide, 3-chloropropyl octyl	3569-57-1	250
2350	Sulfuryl chloride	7791-25-5	100
2351	Sulphate	14808-79-8	10
2352	Sulphur	7704-34-9	100
2353	Sulphur chlorides	10025-67-9	100
2354	Sulphur dioxide (Note 1)	7446-09-5	250
2355	Sulphur fluoride (SF4), (T-4)-	7783-60-0	50
2356	Sulphur hexafluoride	2551-62-4	1000
2357	Sulphur monochloride	10025-67-9	500
2358	Sulphur monochloride	10025-67-9	500
2359	Sulphur phosphide	1314-80-3	50
2360	Sulphur tetrafluoride	7783-60-0	50
2361	Sulphur trioxide	7446-11-9	50
2362	Sulphur, molten	7704-34-9	10
2363	Sulphuric acid	7664-93-9	500

NO.	NAME	CAS CODE	RQ FINAL
2364	Sulphuric acid (aerosol forms only)	7664-93-9	500
2365	Sulphuric acid (fuming)	8014-95-7	500
2366	Tabun	77-81-6	5
2367	Tartar emetic (potassium antimonyl tartrate)	28300-74-5	50
2368	Tau-Fluvalinate	69409-94-5	1
2369	TBTO (Tributyltin oxide)	56-35-9	1
2370	TCMTB	21564-17-0	100
2371	Tebuthiuron	34014-18-1	1000
2372	Tellurium hexafluoride	7783-80-4	50
2373	Temephos	3383-96-8	100
2374	TEPP	107-49-3	5
2375	Terbacil	5902-51-2	100
2376	Terbufos	13071-79-9	50
2377	Terbutryn	886-50-0	100
2378	tert-Amyl acetate	625-16-1	2500

NO.	NAME	CAS CODE	RQ FINAL
2379	tert-Butyl acetate	540-88-5	2500
2380	Tert-butyl mercaptan	75-66-1	100
2381	tert-Butylamine	75-64-9	500
2382	tert-Butylbenzene	98-06-6	100
2383	tert-Butyldimethylphosphine	32376-17-3	10
2384	Tetrachloroethylene	127-18-4	50
2385	Tetrachlorvinphos	961-11-5	1
2386	Tetracycline hydrochloride	64-75-5	5
2387	Tetraethyl lead	78-00-2	5
2388	Tetraethyl pyrophosphate	107-49-3	5
2389	Tetraethyl silicate (ethyl silicate)	78-10-4	100
2390	Tetraethyldithiopyrophosphate	3689-24-5	50
2391	Tetraethyltin	597-64-8	50
2392	Tetrafluoroethane	811-97-2	1000
2393	Tetrafluoroethylene	116-14-3	5000

NO.	NAME	CAS CODE	RQ FINAL
2394	Tetrafluoromethane	75-73-0	1000
2395	Tetrahydro-5,5-dimethyl-2(1H)- pyrimidinone(3-(4-(trifluoromethyl)phenyl)-1-(2-(4-(trifluoromethyl)phenyl)ethenyl)-2- propenylidene)hydrazone	67485-29-4	1
2396	Tetrahydrobenzaldehyde	100-50-5	100
2397	Tetrahydrofuran	109-99-9	500
2398	Tetramethylammonium hydroxide	75-59-2	100
2399	Tetramethyllead	75-74-1	50
2400	Tetramethylsilane	75-76-3	5000
2401	Tetranitromethane	509-14-8	5
2402	Tetrazol-1-acetic acid	21732-17-2	10
2403	Thallic oxide	1314-32-5	50
2404	Thallium	7440-28-0	500
2405	Thallium chloride TlCl	7791-12-0	50
2406	Thallium selenite	12039-52-0	500
2407	Thallium sulphate	10031-59-1	50

NO.	NAME	CAS CODE	RQ FINAL
2408	Thallium(I) acetate	563-68-8	50
2409	Thallium(I) carbonate	6533-73-9	50
2410	Thallium(I) nitrate	10102-45-1	50
2411	Thallium(I) sulphate	7446-18-6	50
2412	Thallous carbonate	6533-73-9	50
2413	Thallous chloride	7791-12-0	50
2414	Thallous malonate	2757-18-8	50
2415	Thallous sulphate	7446-18-6	50
2416	Thifensulfuron methyl	79277-27-3	1000
2417	Thioacetamide	62-55-5	5
2418	Thioanisole	100-68-5	100
2419	Thiobencarb	28249-77-6	10
2420	Thiocarbanilide	102-08-9	100
2421	Thiocarbazide	2231-57-4	500
2422	Thiocetic acid	507-09-5	100

NO.	NAME	CAS CODE	RQ FINAL
2423	Thiocyanic acid, methyl ester	556-64-9	5000
2424	Thiodicarb	59669-26-0	50
2425	Thiofanox	39196-18-4	50
2426	Thioglycolic acid	68-11-1	10
2427	Thiomethanol	74-93-1	50
2428	Thionazin	297-97-2	50
2429	Thionyl chloride	7719-09-7	1000
2430	Thiophanate-methyl	23564-05-8	5
2431	Thiophene	110-02-1	100
2432	Thiophenol	108-98-5	50
2433	Thiophosphoryl chloride	3982-91-0	1000
2434	Thiosemicarbazide	79-19-6	50
2435	Thiourea	62-56-6	5
2436	Thiourea, (2-chlorophenyl)-	5344-82-1	50
2437	Thiourea, (2-methylphenyl)-	614-78-8	250

NO.	NAME	CAS CODE	RQ FINAL
2438	Thiourea, 1-naphthalenyl-	86-88-4	50
2439	Thiram	137-26-8	5
2440	Tincture, medicinal	UN1293	100
2441	Titanium	7440-32-6	10
2442	Titanium chloride (TiCl4) (T-4)-	7550-45-0	50
2443	Titanium powder	UN2546	100
2444	Titanium powder, wetted	UN2546	10
2445	Titanium tetrachloride	7550-45-0	50
2446	Titanium trichloride mixture	7705-07-9	100
2447	Toluene	108-88-3	500
2448	Toluene-2,4-diisocyanate	584-84-9	50
2449	Toluene-2,6-diisocyanate	91-08-7	50
2450	Toluenediamine	25376-45-8	5
2451	Toluenediisocyanate (mixed isomers)	26471-62-5	50
2452	Torpedoes with bursting charge	UN0330	1

NO.	NAME	CAS CODE	RQ FINAL
2453	Toxaphene	8001-35-2	0.5
2454	Tralomethrin	66841-25-6	10
2455	trans-1,2-Dichloroethylene	156-60-5	500
2456	trans-1,4-Dichloro-2-butene	110-57-6	250
2457	trans-1,4-Dichlorobutene	110-57-6	250
2458	Triadimefon	43121-43-3	100
2459	Triallate	2303-17-5	50
2460	Triallate	UN3077	1000
2461	Triallylamine	102-70-5	100
2462	Triamiphos	1031-47-6	250
2463	Triazine pesticide	UN2998	100
2464	Triazophos	24017-47-8	250
2465	Tribenuron methyl	101200-48-0	1000
2466	Tribromomethane	75-25-2	50
2467	Tributylphosphate	126-73-8	10

NO.	NAME	CAS CODE	RQ FINAL
2468	Tributyltin oxide	56-35-9	1
2469	Trichlorfon	52-68-6	50
2470	Trichloro(chloromethyl)silane	1558-25-4	50
2471	Trichloro(dichlorophenyl)silane	27137-85-5	250
2472	Trichloroacetic acid	09/03/1976	1000
2473	Trichloroacetyl chloride	76-02-8	250
2474	Trichloroethane	71-55-6	500
2475	Trichloroethylene	79-01-6	50
2476	Trichloroethylsilane	115-21-9	250
2477	Trichlorofluoromethane	75-69-4	2500
2478	Trichloroisocyanuric Acid	87-90-1	10
2479	Trichloromethanesulfenyl chloride	594-42-3	50
2480	Trichloromonofluoromethane	75-69-4	2500
2481	Trichloronate	327-98-0	250
2482	Trichlorophenol	25167-82-2	5

NO.	NAME	CAS CODE	RQ FINAL
2483	Trichlorophenol, 2,4,6-	88-06-2	10
2484	Trichlorophenoxy propionic acid, 2(2,4,5-	93-72-1	50
2485	Trichlorophenoxyacetic acid, 2,4,5-	93-76-5	500
2486	Trichlorophenylsilane	98-13-5	250
2487	Trichlorosilane	10025-78-2	5000
2488	Tridiphane	58138-08-2	10
2489	Triethanolamine dodecylbenzene sulfonate	27323-41-7	500
2490	Triethoxysilane	998-30-1	250
2491	Triethylamine	121-44-8	2500
2492	Triethylenediamine	280-57-9	1000
2493	Triethylenetetramine	112-24-3	100
2494	Trifluoroacetic acid	76-05-1	100
2495	Trifluorochloroethylene	79-38-9	5000
2496	Trifluoroethane	420-46-2	100
2497	Trifluoromethane	75-46-7	1000

NO.	NAME	CAS CODE	RQ FINAL
2498	Trifluralin	1582-09-8	5
2499	Triisobutylene	7756-94-7	100
2500	Trimethyl borate	121-43-7	100
2501	Trimethyl phosphate	512-56-1	10
2502	Trimethyl phosphite	121-45-9	10
2503	Trimethylamine	75-50-3	50
2504	Trimethylchlorosilane	75-77-4	500
2505	Trimethylolpropane phosphite	824-11-3	50
2506	Trimethyltin chloride	1066-45-1	250
2507	Trimpropylamine	102-69-2	100
2508	Trinitrobenzene-wetted	99-35-4	5
2509	Trinitrophenylmethylnitramine (Tetryl)	479-45-8	1
2510	Trinitroresorcinol	82-71-3	1
2511	Trinitrotoluene-wetted	118-96-7	10
2512	Triphenylphosphine oxide	791-28-6	100

NO.	NAME	CAS CODE	RQ FINAL
2513	Triphenyltin chloride	639-58-7	250
2514	Tris(2,3-dibromopropyl) phosphate	126-72-7	5
2515	Tris(2-chloroethyl)amine	555-77-1	50
2516	Tris(2-chloroethyl)phosphate	115-96-8	1000
2517	Tris(2-ethylhexyl)phosphate	78-42-2	1000
2518	Trypan blue	72-57-1	5
2519	Undecane	1120-21-4	1000
2520	Uracil mustard	66-75-1	5
2521	Uranium	7440-61-1	10
2522	Uranyl acetate	541-09-3	50
2523	Uranyl nitrate	10102-06-4	50
2524	Uranyl nitrate	36478-76-9	50
2525	Urea	57-13-6	1000
2526	Urea, N,N-dimethyl-N'-[3- (trifluoromethyl) phenyl]-	2164-17-2	100
2527	Urethane	51-79-6	50

NO.	NAME	CAS CODE	RQ FINAL
2528	Valeraldehyde	110-62-3	100
2529	Valinomycin	2001-95-8	500
2530	Vanadium (except when contained in an alloy)	7440-62-2	100
2531	Vanadium pentoxide	1314-62-1	500
2532	Vanadium sulphate	27774-13-6	500
2533	Vanadyl sulphate	27774-13-6	500
2534	Vinclozolin	50471-44-8	100
2535	Vinyl acetate	108-05-4	500
2536	Vinyl acetate monomer	108-05-4	500
2537	Vinyl acetylene	689-97-4	5000
2538	Vinyl bromide	593-60-2	50
2539	Vinyl chloride	75-01-4	0.5
2540	Vinyl ether	109-92-2	5000
2541	Vinyl ethyl ether	109-92-2	5000
2542	Vinyl fluoride	75-02-5	5000

NO.	NAME	CAS CODE	RQ FINAL
2543	Vinyl isobutyl ether	109-53-5	100
2544	Vinyl methyl ether	107-25-5	5000
2545	Vinyl toluene	25013-15-4	100
2546	Vinylidene chloride	75-35-4	50
2547	Vinylidene fluoride	75-38-7	5000
2548	Vinyltrichlorosilane	75-94-5	100
2549	Warfarin	81-81-2	50
2550	Warfarin sodium	129-06-6	50
2551	Warfarin, & salts, conc.>0.3%	81-81-2	50
2552	Xenon	7440-63-3	1000
2553	Xylene (mixed isomers)	1330-20-7	50
2554	Xylenes	106-42-3	100
2555	Xylenes	108-38-6	100
2556	Xylenes	1330-20-7	100
2557	Xylenes	95-47-6	100

NO.	NAME	CAS CODE	RQ FINAL
2558	Xylenol	1300-71-6	500
2559	Xylylene dichloride	28347-13-9	50
2560	Zinc (fume or dust)	7440-66-6	500
2561	Zinc acetate	557-34-6	500
2562	Zinc ammonium chloride	14639-97-5	500
2563	Zinc ammonium chloride	14639-98-6	500
2564	Zinc ammonium chloride	52628-25-8	500
2565	Zinc borate	1332-07-6	500
2566	Zinc bromide	7699-45-8	500
2567	Zinc carbonate	3486-35-9	500
2568	Zinc chloride	7646-85-7	500
2569	Zinc cyanide	557-21-1	5
2570	Zinc ethylenebis	12122-67-7	100
2571	Zinc fluoride	7783-49-5	500
2572	Zinc formate	557-41-5	500

NO.	NAME	CAS CODE	RQ FINAL
2573	Zinc hydrosulphite	7779-86-4	500
2574	Zinc nitrate	7779-88-6	500
2575	Zinc phenolsulfonate	127-82-2	2500
2576	Zinc phosphide	1314-84-7	50
2577	Zinc silicofluoride	16871-71-9	2500
2578	Zinc sulphate	7733-02-0	500
2579	Zinc, dichloro(4,4-dimethyl-5((((methylamino)carbonyl)oxy)imino) pentanenitrile)-, (T-4)-	58270-08-9	50
2580	Zineb	12122-67-7	100
2581	Ziram	137-30-4	5
2582	Zirconium	7440-67-7	100
2583	Zirconium hydride	UN1437	100
2584	Zirconium nitrate	13746-89-9	2500
2585	Zirconium nitrate	UN2728	100
2586	Zirconium picramate	UN0236	100

NO.	NAME	CAS CODE	RQ FINAL
2587	Zirconium potassium fluoride	16923-95-8	500
2588	Zirconium sulphate	14644-61-2	2500
2589	Zirconium tetrachloride	10026-11-6	2500
2590	Zirconium, dry, coiled wire, finished metal sheets, strip	UN2858	100
2591	Zirconium, dry, finished sheets, strip or coiled wire	UN2009	100

Note 1: Substances with this note must be reported only when the incident is not already reportable under the NEM:AQA (Air Quality Act) 39/2005.

Note 2: Only anhydrous salts are listed; hydrated salts should be assessed and reported as if they were anhydrous.

Note 3: The Safety Data Sheet (SDS) from the supplier of the chemical substance should be consulted. Should this not be available, the hyperlink to access compound specific information in ChemBook, provided in the Excel spreadsheet version of the list, can be used. Internet access is required for these links to function.

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