

FEDERAL SUBSIDIARY LEGISLATION

ENVIRONMENTAL QUALITY ACT 1974 [ACT 127]

P.U.(A) 139/89

ENVIRONMENTAL QUALITY (SCHEDULED WASTES) REGULATIONS 1989

Publication : Date of coming into operation : 27th April 1989 1st May 1989

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Preamble

IN exercise of the powers conferred by sections 21 and 51 of the Environmental Quality Act 1974[Act 127], the Minister, after consultation with the Environmental Quality Council, makes the following regulations:

Regulation 1. Citation and commencement.

These Regulations may be cited as the **Environmental Quality (Scheduled Wastes) Regulations 1989** and shall come into force on the 1st May 1989.

Regulation 2. Interpretation.

(1) In these Regulations, unless the context otherwise requires -

"contractor" means any person undertaking the handling, transport or storage of scheduled wastes outside the premises of a waste generator;

"incompatible scheduled wastes" means scheduled wastes specified in the Fourth Schedule which, when mixed, will produce hazardous situations through heat generation, fires, explosions or the release of toxic substances;

"prescribed premises" means premises prescribed by the Environmental Quality (Prescribed Premises) (Scheduled Wastes Treatment and Disposal Facilities) Order 1989[*P.U. (A) 140/89*];

"on-site treatment facility" means a facility, other than a scheduled waste incinerator or a land treatment facility, located on a waste generator's site and that is used solely to deal with scheduled wastes produced on that site;

"scheduled wastes" means any waste falling within the categories of waste listed in the First Schedule;

"waste generator" means any person who generates scheduled wastes.

(2) Words and expressions which are not defined in these Regulations shall have the same meaning as assigned to them in the Act and in the Environmental Quality (Prescribed Premises) (Scheduled Waste Treatment and Disposal Facilities) Order 1989[*P.U. (A) 140/89*].

Regulation 3. Notification of the generation of scheduled wastes.

(1) The generation of any scheduled waste shall be notified to the Director General in writing -

(a) within one month of its generation, for waste generated after the coming into force of these Regulations;

(*b*) within three months from the date of coming into force of these Regulations, for waste generated before the date of coming into force of these Regulations.

(2) Every waste generator shall immediately notify the Director General of new categories and quantities of waste which are or which may be generated as a result of any alteration in the operation carried on at the plant used by the waste generator.

(3) The notification given under subregulations (1) and (2) shall be in the form prescribed in the Second Schedule.

Regulation 4. Disposal of scheduled wastes.

- (1) Scheduled wastes shall be disposed of at prescribed premises only.
- (2) Scheduled wastes shall, as far as is practicable, prior to disposal, be rendered innocuous.

Regulation 5. Treatment of scheduled wastes.

Scheduled wastes shall be treated at prescribed premises or at on-site treatment facilities only.

Regulation 6. Reduction in the generation of scheduled wastes by best practicable means.

The generation of scheduled wastes by every waste generator shall be reduced to the maximum extent practicable using the best practicable means

Regulation 7. Responsibility of waste generator.

Every waste generator shall ensure that scheduled wastes generated by him are properly stored, treated on-site or delivered to and received at prescribed premises for treatment or disposal.

Regulation 8. Storage of scheduled wastes.

(1) Scheduled wastes shall be stored in containers which are durable and which are able to prevent spillage or leakage of the scheduled wastes into the environment.

(2) Containers of scheduled wastes shall be clearly labelled in accordance with the Third Schedule for identification and warning purposes.

(3) Incompatible scheduled wastes shall be stored in separate containers.

(4) Areas for the storage of the containers shall be designed, constructed and maintained adequately to prevent spillage or leakage of scheduled wastes into the environment.

Regulation 9. Waste generator shall keep an inventory of scheduled wastes.

A waste generator shall keep accurate and up-to-date inventory, in accordance with the Fifth Schedule, of the quantities and categories of scheduled wastes being generated, treated, and disposed of.

Regulation 10. Information to be provided by waste generator, contractor and occupier of prescribed premises.

(1) A waste generator shall complete six copies of Part I of the Sixth Schedule and give all six copies of the Schedule to the contractor to whom the scheduled wastes are delivered.

(2) A contractor shall, upon receiving scheduled wastes from a waste generator, complete all six copies of Part II of the Sixth Schedule given to him by the waste generator and shall hand over immediately two copies of the Schedule to the waste generator who in turn shall submit a copy to the Director General.

(3) A contractor shall, upon delivering scheduled wastes to the occupier of any prescribed premises, hand over the remaining four copies of the Sixth Schedule to the occupier.

(4) The occupier of any prescribed premises shall, upon receiving scheduled wastes from a contractor, complete Part III of all the remaining four copies of the Sixth Schedule handed over to him by the contractor and shall, upon completion, retain one copy and return a copy each to the contractor, the waste generator and the Director General.

(5) If a waste generator fails to receive his copy of the Sixth Schedule from the occupier of the prescribed premises referred to in subregulation (4) within 30 days from the date of delivery of the scheduled wastes to the contractor referred to in subregulation (1) he shall notify the Director General immediately and shall investigate and inform the Director General of the result of his investigation.

Regulation 11. Scheduled wastes transported outside waste generator's premises to be accompanied by information.

(1) Every waste generator shall provide information in accordance with the Seventh Schedule in respect of each category of scheduled wastes to be delivered to the contractor and shall give the Schedule to the contractor upon delivery of the waste to him.

(2) The waste generator shall inform the contractor of the purpose and use of the Seventh Schedule.

(3) The contractor shall carry with him the Seventh Schedule for each category of scheduled wastes being transported and shall observe and comply with the instructions contained therein.

(4) The contractor shall, in the selection of transportation routes, as far as possible avoid densely populated areas, water catchment areas, and other environmentally sensitive areas.

(5) The contractor shall conduct a training programme for all his employees involved in the handling, transportation and storage of scheduled wastes.

(6) The contractor shall ensure that during the training programme each employee is well informed on the purpose and use of the Seventh Schedule.

Regulation 12. Spill or accidental discharge.

(1) In the event of any spill or accidental discharge of any scheduled waste, the contractor responsible for the waste shall immediately inform the Director General of the occurrence.

(2) The contractor shall do everything that is practicable to contain, cleanse or abate the spill or accidental discharge and to recover substances involved in the spill or accidental discharge.

(3) The waste generator shall provide the technical expertise and supporting assistance in any clean-up operation referred to in subregulation (2).

(4) The contractor shall undertake studies to determine the impact of the spill or accidental discharge on the environment over a period of time to be determined by the Director General.

Regulation 13. Compounding of offences.

(1) Every offence which consists of any omission or neglect to comply with, or any act done or attempted to be done contrary to, these Regulations may be compounded under section 45 of the Act.

(2) The compounding of offences referred to in subregulation (1) shall be in accordance with the procedure prescribed in the Environmental Quality (Compounding of Offences) Rules 1978[*P.U. (A)* 281/78].

FIRST SCHEDULE (Regulation 2)

PART I

SCHEDULED WASTES FROM NON SPECIFIC SOURCES

1. Mineral oil and oil contaminated wastes.

- N011 Spent oil or grease used for lubricating industrial machines.
- N012 Spent hydraulic oil from machines, including plastic injection moulding machines, turbines and die-casting machines.
- N013 Spent oil-water emulsion used as coolants.
- N014 Oil tanker sludges.
- N015 Oil-water mixture such as ballast water.
- N016 Sludge from oil storage tank.
- 2. Waste containing polychlorinated biphenyls (PCB) or polychlorinated triphenyls (PCT).
- N021 Spent oil contaminated with PCB or PCT.
- N022 Discarded electrical equipment or parts containing or contaminated with PCB or PCT.
- N023 Containers contaminated with PCB or PCT.

3. Spent organic solvents containing halogen or sulphur, including methylene chloride, 1,1,1, trichloroethane, perchioroethylene and dimethyl sulphide.

N031 Spent halogenated solvents from cleaning and d egreasing processes.

4. Spent aromatic organic solvents without containing compounds of organic halogen or sulphur, including toluene, xylene, turpentine and kerosene.

N041 Spent aromatic organic solvents from washing, cleaning or degreasing processes.

5. Spent non-aromatic organic solvents without containing compounds of organic halogen or sulphur, including acetone, ketones, alcohols, cleansing-benzene and dimethyl formamide.

N051 Spent non-aromatic organic solvents from washing, cleaning or degreasing processes.

6. Residues from recovery of halogenated solvents, may contain oil, fat and solvents.

N061 Residues from recovery of halogenated solvents.

7. Residues from recovery of non-halogenated solvents, may contain oil, fat and solvents.

- N071 Residues from recovery of non-halogenated solvents.
- 8. Spent organometallic compounds may be mixed with benzene excluding mercury compounds.
- N081 Residues of organometallic compounds, including tetraethyl lead, tetramethyl lead and organotin compounds from mixing process of anti-knock compound with gasoline.
- 9. Flux wastes, may contain mixture of organic acids, solvents or compounds of ammonium chloride.
 - N091 Flux wastes from fluxing bath of metal treatment processes.

10. Spent aqueous alkaline solutions not containing cyanide, may contain heavy metals.

- N101 Spent aqueous alkaline solutions from treatment process of metal or plastic surfaces.
- N102 Spent aqueous alkaline solutions from b leaching process of textile materials.
- 11. Spent aqueous alkaline solutions containing cyanide, may contain heavy metals.
 - N111 Spent aqueous alkaline solution containing cyanide from treatment process of metal or plastic surfaces.

12. Spent aqueous chromic acid solutions.

N121 Spent aqueous chromic acid solution from treatment process of metal or plastic surfaces.

N122 Spent aqueous chromic acid solutions from leather tannery processes.

13. Spent aqueous inorganic acid solutions other than spent chromic acid solutions, may contain heavy metals.

N131 Spent aqueous acid solutions from treatment process of metal or plastic surfaces.

N132 Spent aqueous inorganic acid solutions from industrial equipment cleaning.

14. Spent aqueous or discarded photographic waste from film processing or plates making.

N141 Spent aqueous or discarded photographic waste from film processing or plate making.

15. Metal hydroxide sludges containing one or several metals, including chromium, copper, nickel, zinc, lead, cadmium, aluminium and tin.

N151 Metal hydroxide sludges from wastewater treatment system.

16. Plating bath sludges containing cyanide.

N161 Plating bath sludges containing cyanide from metal finishing processes.

17. Spent salt containing cyanide.

N171 Spent salt containing cyanide from heat treatment process.

18. Sludges of inks, paints, pigments, lacquer with or without organic solvent.

N181 Paint sludges from solvent recovery of solvent-based paint waste.

N182 Ink sludges from solvent recovery of solvent-based ink waste.

N183 Lacquer sludges from solvent recovery of solvent-based lacquer waste.

N184 Paint sludges from paint wastewater treatment system.

- N185 Ink sludges from ink wastewater treatment system.
- N186 Pigment sludges from pigment wastewater treatment system.
- 19. Wastes of printing ink, paint, pigment, lacquer or varnish containing organic solvents.
- N191 Discarded or off specification ink, pigment and paint products.

20. Sludges, dust, slag, dross and ashes, may contain oxides or sulphate of one or several metals, including lead, cadmium, copper, zinc, chromium, nickel, iron, vanadium and aluminium.

- N201 Dross, slag, ash, dust from metal smelting process or dust emission control system.
- N202 Dross from soldering process.
- N203 Residues from recovery of acid pickling liquor.
- N204 Oxide or sulphate sludges from wastewater treatment system.
- 21. Spent or discarded strong acids or alkalis.
 - N211 Spent or discarded acid of pH less or equal t o 2.
 - N212 Spent or discarded alkali of pH greater or equal to 12.5.
- 22. Spent oxidizing agents.
 - N221 Spent oxidizing agent.

23. Contaminated soil, water, debris or matter resulting from clean-up of a spill or chemical or scheduled waste.

- N231 Contaminated soil, water debris or matter resulting from clean-up of a spill of chemical or scheduled waste.
- 24. Immobilized scheduled wastes, including chemically fixed or encapsulated sludges.
 - N241 Immobilized scheduled wastes.

25. Discarded drugs except living vaccines and euphoric compounds.

- N251 Discarded drugs except living vaccines and euphoric compounds.
- 26. Pathogenic and clinical wastes and quarantined materials.
 - N261 Pathogenic and clinical wastes and quarantined materials.
- 27. Containers and bags containing hazardous residues.
- N271 Used containers or bags contaminated with cyanide, arsenic, chromium or lead compound or salts.

28. Mixtures of scheduled wastes.

- N281 A mixture of scheduled wastes.
- N282 A mixture of scheduled and non-scheduled wastes.

PART II

SCHEDULED WASTES FROM SPECIFIC SOURCES

- 1. Mineral oil and oil contaminated wastes.
 - S011 Waste oil or oily sludge from wastewater treatment plant of oil refinery or crude oil terminal.
 - S012 Oily residue from automotive workshop or service station oil or grease interceptor.
 - S013 Oil contaminated earth from re-refining of used lubricating oil.
 - S014 Oil or sludge from oil refinery maintenance operation.

2. Tar or tarry residues from oil refinery or petrochemical plant.

S021 Tar or tarry residues from oil refinery or petrochemical plant.

3. Wastes of printing ink, paint, pigment, lacquer, varnish or wood preservative containing organic solvents.

- S031 Ink waste from washing of reaction tank or container of ink manufacturing plant.
- S032 Paint waste from washing of reaction tank or container of paint manufacturing plant.
- S033 Pigment waste from washing of reaction tank or container of pigment manufacturing plant.
- S034 Lacquer or varnish waste from washing of reaction tank or container of lacquer or varnish manufacturing plant.

4. Clinker, slag and ashes from scheduled wastes incinerator.

S041 Clinker, slag and ashes from scheduled wastes incinerator.

5. Waste of printing ink, pigment, paint, or lacquer without containing solvents.

- S051 Water-based paint waste from the washing of reaction tank or container of paint manufacturing plant.
- S052 Water-based ink waste from the washing of reaction tank or container of ink manufacturing plant.
- S053 Water-based pigment waste from the washing of reaction tank or container of pigment manufacturing plant.
- S054 Ink waste from the washing or cleansing of printing machine of printing works.

S055 Pigment waste from tile works and hat manufacturing plant.

S056 Paint waste from the paint sprying or dipping process of metal works, motor vehicle assembly plant or electrical appliances manufacturing plant.

6. Spent tars or anti-corrosion oils.

S061 Anti-corrosion oil or tar residue from the sealing or sprying or costing processes of motor vehicle assembly plant or automotive workshop.

7. Spent ethylene glycol.

- S071 Contaminated ethylene glycol from gas processing plant.
- S072 Unhardened ethylene glycol from polyester manufacturing plant.

8. Wastes containing phenol or formaldehyde.

- S081 Phenol or formaldehyde waste from the washing o r reaction or mixing tank of adhesive or glue or resin manufacturing plant.
- S082 Sludges containing phenol or formaldehyde from the wastewater treatment system of adhesive or glue or resin manufacturing plant.

9. Residues of isocyanate compounds, excluding solid polymeric materials.

S091 Residues of isocyanate compounds from foam manufacturing process.

10. Adhesive or glue waste may contain organic solvents, excluding solid polymeric materials.

- S101 Off-specification adhesive or glue products from adhesive or glue manufacturing plant.
- S102 Effluent from washing of the reaction or processing tank of adhesive or glue manufacturing plant.

11. Uncured resin waste, may contain organic solvents or heavy metals including epoxy resin, phenolic resin.

- S11 Uncured resin residues from electronic or semiconductor, electrical appliances, fibreglass manufacturing plants and metal works.
 - S112 Effluent from washing of reactor of resin manufacturing plant.
 - S113 Resin sludge from wastewater treatment system o f resin manufacturing plant.

12. Latex effluent, rubber or latex sludges containing organic solvents or heavy metals.

S121 Rubber or latex sludge containing heavy metals from the wastewater treatment system of rubber products manufacturing plant.

- S122 Rubber or latex sludge containing organic solvents from rubber products manufacturing plant.
- S123 Latex effluent from rubber products manufacturing plants.

13. Sludges from the re-refining of used oil products including oily sludges containing acid or lead compounds.

- S131 Acid sludge from the re-refining of used lubricating oil.
- 14. Sludges containing flouride.
 - S141 Sludges containing fluoride from the wastewater treatment system of electronic or semiconductor manufacturing plant.

15. Mineral sludges, including calcium hydroxide sludges. phosphating sludges, calcium sulphite sludges and carbonates sludges.

- S151 Sludges from phosphating process of motor vehicle assembly, air conditioning, electrical appliances and electronic or semiconductor plants.
- S152 Sludges from wastewater treatment system of plant producing ceramic or tiles, industrial gas and bleaching earth.
- 16. Asbestos wastes.
 - S161 Asbestos sludges from wastewater treatment system of asbestos/cement products manufacturing plant.
 - S162 Asbestos dusts or loose asbestos fibre wastes from asbestos/cement products manufacturing plant.
 - S163 Empty bags or sack containing loose asbestos fibres from asbestos/cement products manufacturing plant.

17. Wastes from the production, formulation and trade of pesticides; including herbicides, insecticides, rodenticides and fungicides.

- S171 Dust from air emission control equipment of pesticides formulation plant.
- S172 Sludges from wastewater treatment system of pesticides formulation plant.
- S173 Residues from filtering process of intermediate products at pesticides formulation plant.
- S174 Waste from washing of reaction tank or mixing tank and spillages at pesticides formulation plant.
- S175 Solid residues resulting from stamping process of mosquito coil production plant.
- S176 Off-specification products from pesticides formulation plant and trade of pesticides.
- S177 Waste from the production of pesticides.
- 18. Press cake from pretreatment of glycerol soap lye
 - S181 Press cake from pretreatment of glycerol soap I ye from detergent or soap or toiletries plants.
- 19. Wastes containing dye.
 - S191 Wastewater containing dye from textile manufacturing plant.

20. Wastes from wood preserving operation using inorganic salts containing copper, chromium as well as arsenic of fluoride compounds or using compound containing chlorinated phenol or creosote.

- S201 Wastes from wood preserving operation using inorganic salts containing copper, chromium and arsenic of fluoride compounds or using compound containing chlorinated phenol or creosote.
- 21. Mercury wastes, containing metallic mercury, organic and inorganic mercury compounds.
 - S211 Mercury waste containing metallic mercury from manufacturing of fluorescent lamps.
 - S212 Activated carbon waste containing mercury from hydrogen gas purification process.
 - S213 Mercury bearing sludges from brine treatment and mercury bearing brine purification muds from chlorine production plant.

- 22. Arsenic wastes from the purification process of phosphoric acid.
 - S221 Arsenic waste from the purification process of phosphoric acid plant.
- 23. Spent catalysts.
 - S231 Spent industrial catalysts from chemical plant and plant manufacturing detergent or soap or toiletries.
- 24. Leachate from scheduled waste landfills
 - S241 Leachate from scheduled waste landfills.
- 25. Rags. papers, plastics, or filters contaminated with organic solvents.
 - S251 Rags, plastics. papers or filters contaminated with paint or ink or organic solvent from motor vehicle assembly plants, metal works, electronic or semiconductor plants and printing or packaging plants.
- 26. Containers and bags containing hazardous residues.
 - S261 Used containers or bags contaminated with residues of raw materials and products of pesticides formulation plant.
- 27. Discarded or off specification batteries containing lead, mercury, nickel and lithium.
 - S271 Discarded or off specification batteries from battery manufacturing plant.
- 28. Pharmaceutical wastes.
 - S281 Wastewater from washing of reaction vessels and floors of pharmaceutical products manufacturing plant.

- 29. Spent aqueous inorganic acid solution.
 - S291 Wastewater from acid and battery manufacturing plant.
- 30. Waste from manufacturing or processing or use of explosives.
 - S301 Waste from manufacturing or processing or use o f explosives.

SECOND SCHEDULE (Regulation 3)

NOTIFICATION OF SCHEDULED WASTES

(Two copies to be completed)

For office use
File reference
No

1. IDENTIFICATION

Waste generator					/		
code:							
State Code:							

(i) Name and Address of Premises:

Tel No.:	Fax. No.:	Telex:

(ii) Owner of
Premises:
Designation:

.....

2. PRODUCTION DATA

(i) List of raw materials/chemicals and quantities used per month*.

Raw Materials/Chemicals Quantity in Metric Tonnes

(ii) List of items and quantities produced per months*.

Production Items Quantity

3. WASTE DATA

(i) Scheduled wastes generated per month **.

Waste Category Code Name of Waste Waste Component Quantity(Metric Tonnes)

(ii) Other wastes generated per month **

Name of Waste Liquid/Solid/ Sludge Quantity (Metric Tonnes)

.....

I certify that the information provided is true and correct to the best of my knowledge.

.....

Signature of Reporting Officer.
Name:
Designation:
Date:
I/C No

* Use additional sheet if required.

** Estimates.

THIRD SCHEDULE (Regulation 8)

LABELLING REQUIREMENT FOR SCHEDULED WASTES



EXPLOSIVE SUBSTANCES (WASTE).

Symbol (exploding bomb): black; Background: light orange.

Label 1



INFLAMMABLE LIQUIDS (WASTE)

Symbol (flame): black or white; Background: red.

Label 2



INFLAMMABLE SOLIDS (WASTE)

Symbol (flame): black; Background: white with vertical red stripes.

Label 3



SOLID: SPONTANEOUSLY COMBUSTIBLE (WASTE)

Substances liable to spontaneous combustion Symbol (flame): black; Background: upper half white; lower half red.



SOLID DANGEROUS WHEN WET (WASTE)

Substances which, in contact with water, emit inflammable gases. Symbol (flame): black or white; Background: blue.

Label 5



OXIDIZING SUBSTANCES (WASTE)

Symbol (flame over circle): black; Background: yellow.



Label 6

ORGANIC PEROXIDES (WASTE)

Symbol (flame over circle): black; Background: yellow.

Label 7



TOXIC SUBSTANCES (WASTE)

Poisonous (toxic) substances. Symbol (skull and crossbones): black; Background: white.

Label 8



INFECTIOUS SUBSTANCES (WASTE)

Symbol (three crescents superimposed on a circle): black; Background: white.

Label 9



CORROSIVE SUBSTANCES (WASTE)

Symbol (liquids, spilling from two glass vessels and attacking a hand and a metal): black; Background: upper half white, lower half black.

Label 10

PARTICULARS OF LABELS

1. The label shall be a square set at an angle of 45 degrees. The dimension of the label shall not be less than 10 cm by 10 cm except where the size of the container or package warrants for a label of smaller size.

2. The colours used on the labels 1 to 10 shall be in accordance with British Standard BS 381 C, "Colours for specific purposes".

Colour Reference No. French 166 blue Canary 309 yellow Signal 537 red Light 557 orange

3. The labels shall be divided into halves, the upper half of the label shall be reserved for the pictoral symbol and the lower half for text printed in block capitals.

4. The text shall be printed in black on all labels except when the background is black, red or blue, the text shall be in white.

5. The labels may be of the following types:

(a) Stick-on;

(b) Metal plates; or

(c) Stencilled or printed on the container or package.

6. All labels shall be able to withstand open weather exposure without a substantial reduction in effectiveness.

7. Label shall be placed on a background of contrasting colour.

8. In the case of waste capable of presenting two or more hazards, all the hazards must be clearly identified and the waste labelled accordingly.

FOURTH SCHEDULE (Regulation 2 and 8 (3))

SCHEDULED WASTES OF POTENTIAL INCOMPATIBILITY

The mixing of a Group A waste with a Group B waste may have the potential consequences as noted below:

Group 1-A	Group 1-B
Alkaline caustic liquids	Acid sludge
Alkaline cleaner	Chemical cleaners
Alkaline corrosive liquid	Electrolyte, acid
Caustic wastewater	Etching acid, liquid or solvent
Lime sludge and other corrosive	Pickling liqour and other corrosive acid
alkalies	Spent acid
	Spent mixed acid.

Potential consequences: Heat generation, violent reaction.

Group 2-A	Group 2-B
Asbestos	Solvents
Berryllium	Explosives
Unrinsed pesticide containers	Petroleum
Pesticides	Oil and other flammable wastes

Potential consequences: Release of toxic substances in case of fire or explosion.

Group 3-A	Group 3-B
Aluminium	Any waste in Group 1-A or 1-B
Berryllium	
Calcium	
Lithium	
Magnesium	
Potassium	
Sodium	
Zinc powder and other reactive	
metals and metal hydrides	

Potential consequences: Fire or explosion; generation of flammable hydrogen gas.

Group 4-B Any concentrated waste in Group 1-A or 1-B

Group 4-A Alcohols Calcium Lithium Metal hydrides Potassium Sodium Water reactive wastes

Potential consequences: Fire, explosion or heat generation; generation of flammable toxic gases.

Group 5-A	Group 5-B
Alcohols	Concentrated Group 1-A or 1-B wastes
Aldehydes	
Halogenated hydrocarbons	Group 3-A wastes
Nitrated hydrocarbons and other	
reactive organic compounds and	
solvents	
Unsaturated hydrocarbons	

Potential consequences: Fire, explosion or violent reaction.

Group 6-A		Group 6-B
Spent cyanide and sulphide	Group 1-B wastes	
solutions		

Potential consequences: Generation of toxic hydrogen cyanide or hydrogen sulphide gas.

Group 7-A	Group 7-B
Chlorates and other strong	Organic acids
oxidizers	
Chlorites	Group 2-B wastes
Chromic acid	Group 3-A wastes
Hypochlorites	Group 5-A wastes and other flammable and c ombustible
	wastes

Nitrates Nitric acid Perchlorates Permanganates Peroxides

Potential consequences: Fire, explosion or violent reaction.

FIFTH SCHEDULE (Regulation 9)

INVENTORY OF SCHEDULED WASTES

Date	Waste	Name of	Quantity		Waste Handling]
	Category Code	Waste	Generated in Metric Tonnes	Method*	Quantity in Metric Tonnes	Place**

NOTE:

* Store, process, recover, incinerate, exchange, or other methods (state).

** Give name and address of the facility.

SIXTH SCHEDULE (Regulation 10)

CONSIGNMENT NOTE FOR SCHEDULED WASTES

I WASTE GENERATOR	Waste Generator Code:					/		
	State Code:							

Name of Waste

Generator:....

Address:

.....

Name of Responsible Person:

•••••••••••••••••••••••••••••••••••••••	 	

Tel. No.:	. Fax. No.:	Telex No.:

 Name of Waste:
 Waste

 Category Code:
 Waste Component:

.....

Waste Origin :			
Waste Origin Code:			

Type of Waste:

Solid	Sludge	Liquid	
-------	--------	--------	--

Waste	Pallet Container	Canister	55 gal. Drum
Packaging:			

Π	Others
	(specify)

Quantity					and If				
					Possible				
	0								

Metric tonnes m³

Cost of Treatment and Disposal \$/Metric tonne

Name and Address of Final	
Destination:	

Delivery Date:	. Signature of	Responsible Persor
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 	 •••••

II CONTRACTOR	Contractor Code :					/		
	State Code:							

Name of Contractor:		
Address:		
Name of Responsible Person:		
Tel. No :	Fax. No:	Telex
No.:		
Vehicle Registration		
No.:		

Name of Driver:

•••••••••••••••••••••••••••••••••••••••	 	

Temporary	No	Yes, Address:
Storage:		

Date Received: Signature of Driver:

.....

	Facility Code :					/	
STORAGE/TREATMENT/	State Code:		1	4 4	44	 44	
RECOVER/DISPOSAL							
FACILITY OPERATOR							
Name of Facility:							
Address of Facility:							
Name of Responsible Pers	on:						
Tel. No	Fa	ax. No.	 			 Te	elex
No.:							

Type of Operation:

storage		regrouping	recovery		landf	ill		secure landfill				
Physical/chemical treatment			incinerator		others(specify)							

Quantity of			and If				
Waste			Possible				
Received:							

Metric tonnes m³

Date Received: Signature:

SEVENTH SCHEDULE (Regulation 11)

INFORMATION

A. Properties

- 1. Category of waste
 - according to the First Schedule
- 2. Origin
 - State from which process, activity, occurrence, etc. the waste is generated
- 3. Physical properties of waste

- Flashpoint degrees ⁰C
- Boiling point ⁰C
- Consistency at room temperature (gas, liquid, sludge, solid)
- Vapours lighter/heavier than air
- Solubility in water
- Waste lighter/heavier than water

4. Risks

- by inhalation
- by oral intake
- by dermal contact

B. Handling of Waste

- 1. Personal protection equipment
 - Gloves, goggles, face shield etc.
- 2. Procedures/Precautions in handling, packaging transporting and storage
- 3. Appropriate label
 - Labels for the containers
- 4. Recommended Method of Disposal

C. Precautions in case of spill or accidental discharge causing personal injury

- 1. In case of inhalation of fumes or oral intake
 - Symptoms of intoxication
 - Appropriate first aid
 - Guidelines for the physician
- 2. In case of dermal contact or contact with eyes
 - Symptoms of intoxication
 - Appropriate first aid
 - Guidelines for the physician
- D. Steps to be taken in case of spill or accidental discharge causing material damage arising from -
 - 1. Spill on floor, soil, road etc.
 - 2. Spill into water
 - 3. Fire
 - 4. Explosion

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