

Chem Alert Report

Product Name **CHLOROFORM AR (FRONINE LAB SUPPLIES).**

Ingredient
CHLOROFORM
STABILISERS
IMPURITIES

Conc.	CAS No.
>90%	67-66-3
<1%	Not Available
Not Available	Not Available

Shipping **CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA**
CHLOROFORM

Synonyms CHLOROFORM, CHLOROFORM AR (FRONINE LAB SUPPLIES), FORMYL TRICHLORIDE, METHANE TRICHLORIDE, METHENYL CHLORIDE, METHENYL TRICHLORIDE, SPOL 00000810 - MANUFACTURER'S COD

Appearance CLEAR COLOURLESS LIQUID

Odour SWEET PLEASANT ODOUR

Use(s) SOLVENT.

Supplier FRONINE LABORATORY SUPPLIES Ph: 02 9627 3600 Emerg. Ph: 13 11 26

Stock No. 363.

Poison Sched 6

Hazchem ZZ

UN No. 1888

D.G Class 6.1

Pkg Group III

EPG 6A2

Sub/Tert Risk None Allocated

HEALTH HAZARDS

Health Hazard Summary Toxic - narcotic. Use safe work practices to avoid eye-skin contact and vapour inhalation. Over exposure may result in nerve, kidney, liver and lung damage. Central nervous system and cardiac depressant. Experimental teratogen. Chloroform is classified as a possible human carcinogen (IARC 2B) and suspected carcinogen (NOHSC Category 3).

Eye Irritant. Contact may result in lacrimation, irritation, pain, redness and conjunctivitis. Prolonged contact - corneal burns and possible permanent damage.

Inhalation Toxic - narcotic. Over exposure may result in mucous membrane irritation of the nose and throat, nausea, loss of appetite and headache. At high levels; dizziness, drowsiness, breathing difficulties and at very high levels; pulmonary oedema and unconsciousness.

Skin Irritant - toxic. Prolonged contact may result in drying and defatting of the skin, rash and dermatitis. Toxic effects may result from skin absorption.

Ingestion Toxic. Ingestion may result in nausea, vomiting, abdominal pain, dizziness, fatigue and diarrhoea. Large doses may cause kidney and liver damage, unconsciousness and convulsions. Aspiration into lungs may cause chemical pneumonitis and pulmonary oedema.

PRECAUTIONS

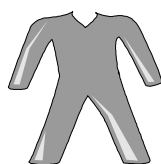
Flammability Non flammable. May evolve highly toxic gases (chlorides, hydrogen chloride, carbon oxides, hydrocarbons, phosgene) when heated to decomposition.

Reactivity Incompatible with oxidising agents (eg. hypochlorites, peroxides), acids (eg. sulfuric acid), strong alkalis (eg. hydroxides), heat and ignition sources.

Ventilation Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical extraction ventilation is recommended.

PERSONAL PROTECTIVE EQUIPMENT

PPE Wear coveralls, splash-proof goggles, a Type A (Organic vapour) Respirator and PVA or viton (R) gloves. At high vapour levels, wear an Air-line respirator.



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FIRST AID

- Eye** Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre, or for at least 15 minutes.
- Inhalation** If over exposure occurs, leave area of exposure immediately. If other than minor symptoms occur, seek urgent medical attention. If assisting a victim avoid becoming a casualty, wear a Full-face Type A (Organic vapour) respirator or Air-line respirator.
- Skin** Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.
- Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor.

SAFE HANDLING

- Storage** Store tightly sealed in cool, dry, well ventilated area, removed from oxidising agents, acids, alkalis, direct sunlight, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should be bunded and have appropriate fire protection and ventilation systems.
- Waste Disposal** Large quantities may be redistilled by authorised solvent recovery contractors. Alternatively, may be incinerated at approved high temperature facility fitted with afterburner and scrubber. Contact Waste Disposal Authorities in your state or region for further details.
- Transport** Class 6.1 Toxic. Do not transport with chemicals of class; 1 (Explosives), 3 (Flammable liquids), 5.1 (Oxidising agents), 5.2 (Organic peroxides), 8 (Corrosives - where the Corrosive is an acid and the Toxic is a cyanide) and foodstuffs.

EMERGENCY

- Spillage** If spilt (bulk), contact emergency services where appropriate. Wear splash-proof goggles, PVA/viton gloves, a Type A (Organic vapour) respirator (or Air-line respirator in confined areas), coveralls and rubber boots. Ventilate and clear area of all unprotected personnel. Absorb with sand or similar and place in clean containers for disposal.
- Environment** Chloroform in the atmosphere will degrade by reaction with hydroxyl radicals and may be transported long distances. Will rapidly evaporate from soil and water sources. Spills and other releases on to land will also leach into the groundwater where it will reside for long periods of time. Not expected to bioconcentrate in the food chain. Does not degrade well.
- Fire and Explosion** Non flammable. Evacuate area and contact emergency services. Highly toxic gases (hydrocarbons, carbon oxides, hydrogen chloride, chlorine, phosgene) may be evolved when heated. Remain upwind and notify those downwind of hazard. Wear full protective equipment (see spill above) including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
- Extinguishing** Non flammable. Prevent contamination of drains or waterways, absorb runoff with sand or similar.

PHYSICAL AND CHEMICAL PROPERTIES

Flammability: NON FLAMMABLE	Flash Point: NOT RELEVANT
Boiling Point: 61 - 62 C	Melting Point: -63.5 C
Exposure Standard: 2 ppm Chloroform	Evaporation Rate: 11.6 (Butyl acetate = 1)
pH: NOT AVAILABLE	% Volatiles: 100 %
Specific Gravity: 1.483	Solubility (water): INSOLUBLE
Vapour Pressure: 160 mm Hg @ 20 C	Upper Explosion Limit: NOT RELEVANT
Lower Explosion Limit: NOT RELEVANT	Autoignition Temperature: > 1000 C
Vapour Density: 4.12 (Air = 1)	

AMBER

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Last Reviewed : 01/01/2004
Date Printed : 16/08/2005