

SAFETY DATA SHEET

1-(CHLOROMETHYL)NAPHTALENE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name	1-(CHLOROMETHYL)NAPHTALENE
In-house No.	1148
Supplier	Fisher Scientific AB gtf.info@thermofisher.com Södra Långebergsgatan 30 SE-421 32 Västra Frölunda Tel: 031-689400 Fax: 031-680717
EC No.	201-678-2
CAS No.	86-52-2

2. HAZARDS IDENTIFICATION

EYE CONTACT: can irritate the eyes. SKIN CONTACT: irritating to the skin, harmful if absorbed through the skin. May cause dermatitis. INGESTION: harmful if swallowed. INHALATION: may irritate the mucuos membranes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

See section 16 for explanations to R-phrases

4. FIRST AID MEASURES

Inhalation	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped.
Ingestion	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. After the liquid has been swallowed, try to induce vomiting by having affected person touch back of his throat with his finger. Get medical attention immediately!
Skin	Rinse the skin immediately with lots of water. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if irritation persists after washing.
Eyes	Promptly wash eyes with plenty of water while lifting the eye lids. Contact physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Extinguishing media	Water spray, fog or mist. Powder, foam or CO2.
Special fire fighting procedures	Move container from fire area if it can be done without risk.
Specific hazards	May ignite at high temperature.
Hazardous combustion products	Corrosive gases/vapours/fumes. Hydrogen chloride (HCl).

6. ACCIDENTAL RELEASE MEASURES

Spill cleanup methods	Avoid contact with skin or inhalation of spillage, dust or vapour. Shovel into dry containers. Cover and move the containers. Flush the area with water. Avoid dust formation.
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7. HANDLING AND STORAGE

Usage precautions	Avoid spilling, skin and eye contact.
Storage precautions	Keep in cool, dry, ventilated storage and closed containers. Protect from light, including direct sunrays. Keep away from heat, sparks and open flame.
Storage criteria	Chemical storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation	Work in fume cupboard.
Respirators	Wear respirator if there is dust formation. Dust filter P2 (for fine dust).
Protective gloves	Use protective gloves made of: Rubber or plastic.
Eye protection	Use tight fitting goggles if dust is generated.
Other Protection	Wear appropriate clothing to prevent reasonably probable skin contact. Provide eyewash station.
Hygienic work practices	Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid. Crystals or crystalline. Powder, dust.		
Odour	Camphor.		
Solubility description	Soluble in water. Soluble in: Alcohol. Glycerine.		
Molecular weight	176,65		
Boiling point (°C, interval)	291 - 292	Pressure	
Melting/freezing point (°C, interval)	20 - 22		
Density (g/cm3)	1,17	Temperature (°C)	
Flash point (°C)	112	Method	

10. STABILITY AND REACTIVITY

Stability	Avoid: Light. Normally stable.
Materials to avoid	Strong oxidising agents. Acids -organic, halogenated. Acid anhydrides. Strong acids.
Hazardous decomp. products	High temperatures generate: Very toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Chlorides. Phosgene (COCl2).

11. TOXICOLOGICAL INFORMATION

Health warnings	Coughing and shortness of breath.
Route of entry	Inhalation. Ingestion.
Target organs	Central nervous system. Respiratory system, lungs. Skin.

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Disposal methods	Confirm disposal procedures with environmental engineer and local regulations. Vent to atmosphere.
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14. TRANSPORT INFORMATION

15. REGULATORY INFORMATION

Risk phrases	R-21/22 Harmful in contact with skin and if swallowed. R-36/37/38 Irritating to eyes, respiratory system and skin.
Safety phrases	S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-28 After contact with skin, wash immediately with plenty of water and liquid soap.
EC no.	201-678-2

16. OTHER INFORMATION

*** Information revised since the previous version of the SDS**

Information sources	Material Safety Data Sheet, Misc. manufacturers. The Condensed Chemical Dictionary, Hawley, 11th. edition, 1987. The Merck Index, 11. edition, 1989. Sigma-Aldrich Library of Chemical Safety Data. Edition 2, 1988. Dangerous Properties of Industrial Chemicals, 7th edition, Sax & Lewis, 1988. The Extra Pharmacopoeia, Martindale, 1982, 1989. Sigma-Aldrich Material Safety Data Sheets on CD-ROM.
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