

1. Identification

Product Code **CH2604-12**

Product Name **HEPTAN-1-OL**

CAS Number 111-70-6

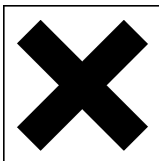
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2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
HEPTAN-1-OL	111-70-6	203-897-9	> 99.0%	Xn : R20/21/22	OES

3. Hazards Identification

Harmful by inhalation, in contact with skin and if swallowed.

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.

Skin Thoroughly wash off skin with soap and water. Remove contaminated clothing immediately and wash before re-use. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure. Keep warm and at rest. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. If unconscious place in the recovery position. OBTAIN MEDICAL ATTENTION URGENTLY.

Ingestion Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION.

5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. Vapour-air mixtures are explosive.

Extinguishing Media Water spray, foam, dry powder or carbon dioxide.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection	Ensure no sources of ignition. Avoid breathing vapour. Use approved personal protective equipment. Evacuate area immediately. Do not allow general use of area until it is safe to do so. Beware : vapour is heavier than air and will tend to accumulate at low spots.
Environmental	Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Absorb into dry earth or sand. Transfer absorbent to salvage container for removal. Wash area down with copious amounts of water.
Minor Spillage	Absorb into dry earth or sand. Transfer absorbent to container for removal. Allow solvent to evaporate in remote area, then dispose of absorbent as solid chemical waste. Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions	All transfer systems should be earthed to prevent accumulation of static electricity. Avoid contact with skin and eyes. Do not breath vapours. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains vapour concentrations below the recommended limits.
Storage Conditions	Well ventilated, cool, dry storage . Protect from direct sun and store away from sources of ignition. Keep containers closed when not in use. Keep well separated from oxidising agents.

8.1 Occupational Exposure Limits

Occupational Exposure Standard	Long Term (8hr TWA):	400	ppm	1600	mg m-3
	Short Term (15min Period):	500	ppm	2000	mg m-3

8.2 Personal Protection

Respiratory	Use L.E.V. or natural ventilation to maintain vapour concentrations below exposure limits. If not, use a well maintained chemical cartridge organic vapour respirator, or use self contained breathing apparatus.
Hands	Use solvent resistant gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	Clear colourless liquid.
Odour	Characteristic.
pH	Not available
Boiling point	175.0 °C
Melting point	-36.0 °C
Flash point	70.0 °C (Closed cup)
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	Severe in confined spaces.
Oxidising Properties	No.
Vapour Pressure	NOT KNOWN
Relative Density	0.8220
Water Solubility	Insoluble in water.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Hot surfaces, naked flames or other sources of ignition.
Materials to Avoid	Strong oxidising agents. Acid Anhydrides. Acid Chlorides.

10. Stability & Reactivity (continued)

Hazardous In combustion emits toxic fumes.
Decomposition Products

11. Toxicological Information

Eyes The liquid may be irritating to the eyes.
Skin Harmful in contact with skin.
LD50 Skin Rabbit 2 g/Kg
Ingest Harmful if swallowed.
LD50 Ingest Oral rat 500 Mg/Kg
Inhalation Harmful by inhalation.
Carcinogenicity No information is available.
Mutagenicity Not considered to be a mutagen.
Reproductive Effects None identified.

12. Ecological

Moderately toxic to mammals, fish and bacteria.

13. Disposal Considerations

Disposal Methods Dispose of in a licensed incinerator for organic solvents. Do not dispose of as domestic waste. Never dispose of into water courses or sewerage systems due to high risk of explosion.
Contaminated Packaging Use a licensed waste disposer. Do not attempt to burn any residual liquids due to risk of explosion.

14. Transport Information

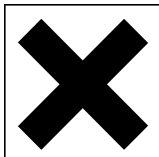
Proper Shipping Name Non-restricted
UN Number Non-restricted
UN Classification None
Subsidiary Risk None
Flash Point 70.0 °C (Closed cup)
Packing Group None
Marine pollutant No
ADR Hazard ID Non-restricted

15. Regulatory Information

Labelling Harmful.
Classification

Label Symbols

Xn



Risk & safety Phrases Harmful by inhalation, in contact with skin and if swallowed. Wear suitable protective clothing.

EEC Number 203-897-9

16. Other Information

Document Information This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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