



SAFETY DATA SHEET

C-SOLVE

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Issued: 27/02/06

Revision No: 4

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

Product name: C-SOLVE

Use / description of product: Fast evaporating cleaning solvent.

Company name: Unicorn Chemicals Ltd

Unicorn House

Mowbray Drive

Blackpool

Lancashire

FY3 7UN

Tel: 01253 396101

Fax: 01253 302895

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: NAPHTHA (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-49-0) >90%

EINECS: 265-151-9 CAS: 64742-49-0

[F] R11; [N] R51/53; [Xn] R65

3. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.

Other hazards: In use, may form flammable / explosive vapour-air mixture. Avoid spraying/applying onto energised electrical systems due to possible risk of spark causing combustion.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be shortness of breath due to congestion of the lungs. Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness. Convulsions may occur.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash skin thoroughly with water and remove contaminated clothing. Obtain medical attention if symptoms develop.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Beware of aspiration if vomiting occurs. Get prompt medical attention.

Inhalation: Remove to fresh air. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

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5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Evacuate the area immediately. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. Extinguish naked flames. No smoking. Avoid sparks.

Environmental precautions: Contain the spillage using sufficient appropriate absorbent material.

Clean-up procedures: Wash away any residues to foul sewer.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Do not breathe vapour. Do not handle in a confined space. Extinguish any naked flames. Remove ignition sources. Avoid sparks. Smoking is forbidden. Use non-sparking tools. Take precautionary measures against static discharges. Avoid prolonged or repeated contact with skin.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Workplace exposure limits**

WEL (8 hr exposure limit): 1200 mg/m³

Hazardous ingredients: NAPHTHA (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-49-0)
WEL (8 hr exposure limit): 1200 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: If Workplace Exposure Limit(s) listed above are exceeded, respiratory protection may be required.

Hand protection: Use of impervious gloves is recommended.

Eye protection: Wear safety glasses or goggles if risk of splashing.

Skin protection: Protective overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Cherry

Evaporation rate: 1.9 (nBuAc=1)
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Insoluble
Viscosity: Non-viscous
Boiling point/range°C: 107-135
Flammability limits %: lower: 0.9
upper: 6.8
Flash point°C: 1
Part.coeff. n-octanol/water: 4.0-5.7
Autoflammability°C: 220
Vapour pressure: 3.5kPa @ 20°C
Relative density: 0.728

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat. Flames. Sparks.
Materials to avoid: Strong acids. Strong bases. Oxidising agents.
Haz. decomp. products: Complete combustion will result in carbon oxides and water.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: NAPHTHA (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-49-0)
ORL RAT LD50 >2000 mg/kg
Routes of exposure: Exposure to high levels of vapour may cause drowsiness, dizziness, nausea, headaches, vomiting. Prolonged contact with skin may cause irritation leading to dermatitis in extreme cases.

12. ECOLOGICAL INFORMATION

Mobility: Floats on water.
Persistence and degradability: Inherently biodegradable. Oxidises rapidly by photochemical reactions in air.
Bioaccumulative potential: Potential for bioaccumulation.
Other adverse effects: Toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Contact Unicorn Chemicals Ltd to arrange disposal.
Disposal of packaging: Do not re-use. Contact Unicorn Chemicals Ltd to arrange disposal.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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14. TRANSPORT INFORMATION**ADR / RID**

UN no: 3295 **ADR Class:** 3
Packing group: II **Classification code:** F1
Shipping name: HYDROCARBONS, LIQUID, N.O.S. (NAPHTHA (PETROLEUM), HYDROTREATED LIGHT
(CAS 64742-49-0))
Labelling: 3 **Hazard ID no:** 33

**IMDG / IMO**

UN no: 3295 **Class:** 3
Packing group: II **EmS:** F-E,S-D
Marine pollutant: . **Labelling:** 3

IATA / ICAO

UN no: 3295 **Class:** 3
Packing group: II **Packing instructions:** 305(P&CA); 307(CAO)
Labelling: 3

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
Dangerous for the environment.
Harmful.



Risk phrases: R11: Highly flammable.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.

Safety phrases: S2: Keep out of the reach of children.
S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe vapour/spray.
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: Suggested Hazard Groups A and S for handling this product (Publication HSG193-HSE COSHH Essentials guidelines).

Always use in accordance with manufacturer's directions.

This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

Risk phrases used in s.2: R11: Highly flammable.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.