



## SAFETY DATA SHEET

### C-SOLVE SPECIAL

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Issued: 21/02/06

Revision No: 3

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

**Product name:** C-SOLVE SPECIAL

**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

**Contains:** No ingredients classified as hazardous.

#### 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. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

#### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

[cont...]

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**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**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:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. 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.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using sufficient appropriate absorbent material.

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**7. HANDLING AND STORAGE**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

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

**WEL (8 hr exposure limit):** 1200 mg/m<sup>3</sup>

**Hazardous ingredients:** NAPHTHA (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-49-0)  
WEL (8 hr exposure limit): 1200 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

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

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Colourless

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

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to avoid:</b>	Heat.
<b>Materials to avoid:</b>	Strong oxidising agents. Strong acids.
<b>Haz. decomp. products:</b>	In combustion emits toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

<b>Hazardous ingredients:</b>	NAPHTHA (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-49-0) ORL RAT LD50 >2000 mg/kg
<b>Routes of exposure:</b>	Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

<b>Mobility:</b>	Floats on water.
<b>Persistence and degradability:</b>	Inherently biodegradable. Oxidises rapidly by photochemical reactions in air.
<b>Bioaccumulative potential:</b>	Bioaccumulation potential.
<b>Other adverse effects:</b>	Toxic to aquatic organisms. Toxic to soil organisms.

**13. DISPOSAL CONSIDERATIONS**

<b>Disposal operations:</b>	Contact Unicorn Chemicals Ltd to arrange disposal.
<b>Disposal of packaging:</b>	Neutralise with dilute hydrochloric acid or consult specialised waste disposal company. Retain for recovery.
<b>NB:</b>	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  
**Shipping name:** HYDROCARBONS, LIQUID, N.O.S. (SOLVENT NAPHTHA)

**IMDG / IMO**

**UN no:** 3295 **Class:** 3.2  
**Packing group:** II **Marine pollutant:** NO  
**Labelling:** HYDROCARBONS, LIQUID, N.O.S. (SOLVENT NAPHTHA)

**IATA / ICAO**

**UN no:** 3295 **Class:** 3  
**Packing group:** II  
**Labelling:** HYDROCARBONS, LIQUID, N.O.S. (SOLVENT NAPHTHA)

**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.

**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.

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**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.