

SAFETY DATA SHEET

ETHYL-2-CYANOACRYLATE

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Issued: 28/06/2006

Revision No: 1

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

Product name: ETHYL-2-CYANOACRYLATE
CAS number: 7085-85-0
EINECS number: 230-391-5
Index number: 607-236-00-9
Synonyms: SUPERGLUE
CYANOACRYLATE ADHESIVE
Company name: Leading Solvent Supplies Ltd
Marston Business Park
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: ETHYL-2-CYANOACRYLATE >90%

3. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes, respiratory system and skin.

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.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

4. FIRST AID MEASURES (ACTION)

Skin contact: Do not pull bonded skin apart. Remove contaminated clothing and wash with soap/cleaner and rinse with plenty of water. Any bonded skin should be gently peeled apart with a blunt object preferably after soaking with in warm soapy water.
Eye contact: Cyanoacrylates bond eyelids in seconds. Irrigate thoroughly with water for at least 15 minutes. If the eyelid is bonded closed, do not force open, cover with a wet pad soaked in warm water. Get prompt medical attention.
Ingestion: Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth, making it almost impossible to swallow, but be aware of possible choking hazard. Saliva will separate the solidified product from the mouth over a period of hours.

[cont...]

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

5. FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam. Dry chemical powder. Carbon dioxide. Do NOT use water jets.

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 bunding.

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.

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

WEL (15 min exposure limit): 1.5 mg/m³

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

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Clear.

Odour: Pungent

Solubility in water: Insoluble

Also soluble in: Ethanol. Acetone.

Boiling point/range°C: 145-160

Melting point/range°C: -30

Flash point°C: >85

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Vapour pressure: 0.04mmHg@25c
Relative density: 1.085
pH: 6-7

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: High temperatures and direct sunlight. Moist air.
Materials to avoid: Strong oxidising agents. Strong acids. Water. Amines. Alkalis.
Haz. decomp. products: In combustion emits Oxides of Carbon. Acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: ETHYL-2-CYANOACRYLATE
ORL RAT LD50 >5 ml/kg
Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.
Persistence and degradability: Biodegradable.
Bioaccumulative potential: No bioaccumulation potential.
Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: -
Shipping name: NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.
(ETHYL-2-CYANOACRYLATE)

IMDG / IMO

UN no: -

IATA / ICAO

UN no: -

15. REGULATORY INFORMATION

Hazard symbols: Irritant.



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Risk phrases: R36/37/38: Irritating to eyes, respiratory system and skin.

Safety phrases: S2: Keep out of the reach of children.

S23: Do not breathe fumes.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37: Wear suitable gloves.

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

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.