



SAFETY DATA SHEET

GPCA

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Issued: 17/03/06

Revision No: 3

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

Product name: GPCA

Use / description of product: General purpose cyanoacrylate adhesive.

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: ETHYL-2-CYANOACRYLATE 70-90%

EINECS: 230-391-5 CAS: 7085-85-0

[Xi] R36/37/38

- POLYMETHYLMETHACRYLATE 10-30%

CAS: 9011-14-7

[Xi] R36/37/38

3. HAZARDS IDENTIFICATION

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

Other hazards: Bonds skin and eyes in seconds.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact. This product bonds to skin extremely well.

Eye contact: There may be irritation and redness. The eyes may water profusely. May bond to eye tissues.

Ingestion: Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Inhalation of high levels of vapour may cause upper respiratory tract irritation.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove contaminated clothing. Accidentally bonded skin should be gently peeled apart using a blunt object. Do not force fingers to separate. Wash affected area with soapy water, separation should occur within 1-4 days. Seek medical attention if irritation persists.

Eye contact: Bathe the eye with running water for 15 minutes. Take care not to wash chemical from one eye to the other. Seek medical advice immediately.

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.

[cont...]

Inhalation: If affected, remove to fresh air. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water. Alcohol or polymer foam. Carbon dioxide. 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: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Ensure the area is well ventilated. Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

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: Ensure there is sufficient ventilation of the area. Do not breathe vapour. Avoid contact with eyes and skin. Eliminate sources of ignition.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Store upright in a cool, dry place at temperatures below 18°C and preferably between 0 and 5°C. Optimum relative humidity 50-60%. Shelf life 12 months when stored between 0 and 5°C; 6 months at temperatures between 5 and 25°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: ETHYL-2-CYANOACRYLATE
WEL (15 min exposure limit): 1.5 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: PVC or rubber gloves.

Eye protection: Safety glasses or goggles are recommended such as EN166 chemical grade.

Skin protection: Protective overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid/gel.

Colour: Colourless

Odour: Pungent

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble
Boiling point/range°C: 36-38
Melting point/range°C: <-30
Flash point°C: 83
Relative density: 1.0

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Direct sunlight. Extreme heat.
Materials to avoid: Oxidising agents. Water. Alcohols. Amines. Peroxides.
Haz. decomp. products: Exothermic polymerisation may occur.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: ETHYL-2-CYANOACRYLATE
ORL RAT LD50 >5 ml/kg
Routes of exposure: May cause irritation of skin, eyes, nose and upper respiratory tract. Bonds skin and eye tissues.

12. ECOLOGICAL INFORMATION

Persistence and degradability: No information available on the product as a whole.

13. DISPOSAL CONSIDERATIONS

Disposal operations: 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.

14. TRANSPORT INFORMATION

ADR / RID

UN no: -
Shipping name: NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

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.

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.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

Precautionary phrases: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

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: Polymerisation is highly exothermic. If large quantities are spilled onto clothing, the rapid polymerisation can cause burns. Contaminated clothing should be removed immediately.

Always use in accordance with manufacturer's directions.

This product belongs to Hazard Groups A and S under the HSE COSHH Essentials guidelines. (Publication HSG193).

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

Risk phrases used in s.2: R36/37/38: Irritating to eyes, respiratory system and skin.

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.