

SAFETY DATA SHEET

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1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

PRODUCT NAME: MITREBOND ADHESIVE

SUPPLIER: UNIKA COLOR PRODUCTS LTD.
NEW YORK INDUSTRIAL PARK,
NEWCASTLE UPON TYNE, NE27 0QF
TELEPHONE: +44 (0) 191 259 0033

2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME	CAS No	CONTENT in %	HEALTH	RISK
Ethyl cyanoacrylate	007085-85-0	< 90 %	Xi	R36/37/38

3. HAZARDS IDENTIFICATION:

- Combustible
- Highly reactive in water
- Bonds skin and eyelids in seconds. (See Section 4)
- Incompatible with strong oxidising agents, moisture

4. FIRST AID MEASURES:

EYES: If the eye is bonded closed, cover eye with a warm wet pad to release eyelashes. Cyanoacrylate will bond with eye protein causing a lachrymatory effect which should help to debond adhesive. Keep eye covered with a wet pad until debonding is complete usually within 1-3 days. Do not force eye open. Seek medical advice

SKIN: Do not pull bonded skin apart. Soak in warm soapy water then try and part gently using a blunt object such as a spoon

INHALATION: May be harmful if inhaled. Remove affected person to fresh air

INGESTION: Ensure that the breathing passages are not obstructed. The product will polymerise immediately in the mouth making the product almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (will take several hours).

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA Dry powder, foam or carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.

UNUSUAL HAZARDS

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PROTECTION

ENVIRONMENTAL PRECAUTIONS

SPILL CLEANUP METHODS

Ventilate area; do not use cloths for mopping up. Polymerise with water and scrape off floor.

7. HANDLING AND STORAGE:

HANDLING Ventilation (low level) is recommended when using large volumes or where odour becomes apparent (odour threshold value is approx 1-2ppm).

STORAGE Store in original containers at 5°C to 28°C.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT	CAS No.	STEL	LTEL (8hrs)
Ethyl Cyanoacrylate	7085-85-0	N D	N D

VENTILATION The TLV for the closely related methyl cyanoacrylate is 2 ppm.

PERSONAL PROTECTION Safety glasses or goggles should be worn if there is risk of splashing. Polythene or polypropylene gloves are recommended. Do not use PVC nylon or rubber.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Clear liquid
Odour	Sharp Characteristic
Colour	colourless
Specific Gravity	1.1
Melting Point °C	-22°C
Boiling Point °C	54-56 °C at 3mm Hg
Solubility in water	Immiscible (rapidly polymerised by water).

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID Unstable, polymerizes in the presence of moisture

MATERIALS TO AVOID Strong oxidizing agents, moisture

HAZARDOUS DECOMPOSITION PRODUCTS

11. TOXICOLOGICAL INFORMATION:

HEALTH WARNINGS

LD50 oral rat >5000 mg/Kg.

LD50 dermal rabbit >200 mg/Kg.

Cyanoacrylates are considered to have relatively low toxicity

ROUTE OF ENTRY

May be harmful if inhaled or in contact with the skin

TARGET ORGANS

Liquid product will bond eyelids. Impossible to swallow as it rapidly polymerises in the mouth.

MEDICAL SYMPTOMS

ACUTE AND CHRONIC HEALTH HAZARDS

Physical risks of polymerization leading to skin damage probably exceed the risks which may arise by swallowing the material.

12. ECOLOGICAL INFORMATION:

ECOTOXICITY

Biodegradable, with of low toxicity.

MOBILITY

PERSISTANCE

BIOACCUMULATIVE POTENTIAL

13. DISPOSAL CONSIDERATIONS:

Polymerise by adding slowly to water (10:1). Dispose of the insoluble, non-toxic solid in an authorised landfill or incinerate under controlled conditions. Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION:

1. ADR (Transport by Road)

Shipping Name: Unrestricted combustable liquid (n.o.s cyanoacrylate ester)

Hazard ID no: None

2. RID (Transport by Rail)

Shipping Name: Unrestricted combustable liquid (n.o.s cyanoacrylate ester)

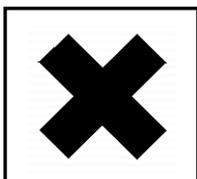
Hazard ID no: None

3. ICAO (Air Transport) AIR - Not classified

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY

According to EC-Directives 67/548/EEC on 1999/45/EC



Irritant

Cyanoacrylate Danger Bonds Skin in seconds.

RISK PHRASES

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

SAFETY PHRASES

S(02) Keep out of reach of children.

S23 Do not breathe vapour.

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

S24/25 Avoid contact with skin and eyes.

16. OTHER INFORMATION:

*The information contained in this Data Sheet is provided in accordance with the **Chemicals (Hazard Information and Packaging for Supply) Regulations 2002** for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.*