

MATERIAL SAFETY DATA SHEET

HDP271

1. Identification of Substances

Product name: HXP 151
Product code: HXP 151
Company name: Dycartec
J.L. van Osstraat 7
1271 KB Huizen
Netherlands

CAS number: 7085-85-0
tel.: +31 (0)35 5235325
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2. Composition/Data on Components

Hazardous ingredients: ETHYL 2 CYANOACRYLATE >90%
CAS: 7085-85-0
[Sens.] R42/43
• POLYMERIC THICKENER 1-10%
CAS: 9011-14-7
[Sens.] R42/43

3. Hazards Identification

Main hazards: May cause sensitisation by inhalation and skin contact.
Other hazards: RISK OF ACCIDENTAL SKIN BONDING. Irritating to respiratory system.

4. First Aid Measures

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Danger. Bonds skin and eyes in seconds.
Eye contact: Danger. Bonds skin and eyes in seconds.
Ingestion: It is unlikely that this substance will be swallowed due to its physical properties.
Inhalation: Remove subject to fresh air. Seek medical advice if condition does not improve.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Accidentally bonded skin should only be peeled apart using a blunt instrument such as the handle of a spoon. It is best not to force skin apart. Wash area with warm soapy water. Expect separation in 2-4 days.
Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Accidental bonding of the eye will disassociate normally within a few days. Do not attempt to pull or prise skin apart. An uncomfortable irritant feeling will accompany any accidental bonding but the bond formed will later break down leading to good recovery.
Ingestion: Do not induce vomiting. It is unusual to ingest this material due to immediate solidification upon contact with moisture in mouth. Usually the material will release in 2 days. Always position the patient to prevent ingestion of the released residue.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Vapours may give rise to irritation of the respiratory system or irritate the eyes. Prolonged exposure to high concentrations of vapours may give rise to chronic effects in some individuals. Good air movement will lower any risk.

5. Fire Fighting Measures

Extinguishing media: Water spray. Carbon dioxide. Dry chemical powder. Alcohol or polymer foam.
Exposure hazards: For large volume fires, call local fire brigade, wear respirators and protective clothing.
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. Evacuate the area immediately. For volume spills, ventilate the area and spray or mist water over the spill. This will help to reduce vapour and develop a low polymer skin that upon cure can be mechanically removed by scraping. It is advisable to wear a mask and goggles to avoid inhalation.
Environmental precautions: Do not discharge into drains or rivers.
Clean-up procedures: Wash the spillage site with large amounts of water. Avoid all incompatible materials in clean-up procedure – see section 10 of SDS.

7. Handling and Storage

Handling requirements: Ensure there is sufficient ventilation of the area. Pipes used to transfer the product must be free of water.
Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Store under inert gas. Avoid contact with water or humidity. Avoid incompatible materials and conditions - see section 10 of SDS.
Suitable packaging: Must only be kept in original packaging.

8. Exposure Controls and Personal Protection

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.
Respiratory protection: High standards of industrial hygiene are required for safe handling of volume. While it is not necessary to wear special breathing apparatus in well ventilated areas, however, it is good practice to maintain relative humidity between 50-60%

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8. Exposure Controls and Personal Protection Cont...

Hand protection: Protective gloves. Do not use cotton gloves. The use of our glu safe 55 barrier cream helps to maintain soft uncontaminated unbonded skin free of hard particles which peel away easily with washing.

Eye protection: Ensure eye bath is to hand. Most users unless exposed to risk of drops from overhead working, should not need eye glasses. Always be careful of bringing liquid to the eye by rubbing with unclean fingers. Wipe away any contamination with a tissue or wipe.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

9. Physical and Chemical Properties

State: Liquid.

Colour: Colourless.

Odour: Characteristic odour.

Evaporation rate: Negligible.

Solubility in water: Insoluble.

Also soluble in: Acetone. THE USE OF THE DEBONDERS TYPES BLO /NMS/ DEBOND OO ARE RECOMMENDED.

Viscosity: Non-viscous.

Boiling point/range°C: N/A.

Melting point/range°C: N/EST.

Flammability limits %: lower: N/EST.

upper: N/EST.

Flash point°C: > 85°C.

Autoflammability°C: N/EST.

Vapour pressure: NONE.

Relative density: 1.06 TO 1.10.

pH: NOT REL.

10. Stability and Reactivity

Stability: Stable under normal conditions. May polymerise on exposure to light.

Conditions to avoid: Heat. Direct sunlight. Humidity.

Materials to avoid: Water, Bases, Alcohols, Amines, Strong oxidising agents.

11. Toxicological Information

Chronic toxicity: May cause sensitisation by inhalation. May cause sensitisation by skin contact.

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. Ecological information

Mobility: Insoluble in water.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

13. Disposal Considerations

Disposal of packaging: Dispose of as normal industrial waste.

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

14. Transport Information

ADR / RID

Shipping name: UNRESTRICTED combustible liquid (n.o.s cyanoacrylate ester)

Hazard ID no: none

IMDG / IMO

IATA / ICAO

15. Regulatory Information

Hazard symbols: Harmful.

Risk phrases: R42/43: May cause sensitisation by inhalation and skin contact.

Safety phrases: S23: Do not breathe fumes.

S24: Avoid contact with skin.

S37: Wear suitable gloves.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

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: SEE SECTION 4 PROCEDURES FOR ACCIDENTAL BONDING OF SKIN. THIS DATA SHEET IS ISSUED IN ACCORDANCE WITH THE EUROPEAN (CHIPS 3) DIRECTIVE 2001/59/CE (28 ATP) WHICH IS EFFECTIVE FROM JULY 2002 .

Risk phrases used in s.2: R42/43: May cause sensitisation by inhalation and skin contact.

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.