

Paracoat PU Primer

Product Ref: (DsC14-Oct 09)
Issue No: 02

COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE 10-30%

EINECS: 202-966-0 CAS: 101-68-8

[Xn] R20; [Xi] R36/37/38; [Sens.] R42/43

HAZARDS IDENTIFICATION

Main Hazards

Irritating to eyes, respiratory system and skin; may cause sensitisation by inhalation and skin contact.

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 a feeling of tightness in the chest with shortness of breath. Exposure may cause coughing or wheezing. Onset of symptoms may be delayed.

FIRST-AID MEASURES (ACTIONS)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact: Check for and remove contact lenses bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Do not induce vomiting. Wash out mouth with water. 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.

FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam. Dry chemical powder. Carbon dioxide.
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.

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.

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Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Neutralise with water containing 1% wetting agent to avoid build up of pressure due to the evolution of carbon dioxide, do not seal containers until fully reacted.

HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Persons with a history of skin sensitisation problems should not be employed in a situation where skin contact with this product could occur, nor should those with asthma or similar disorders be exposed to the vapour or spray mist.

Storage conditions: Store in cool, well-ventilated area. Keep container tightly closed.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Limits:

WEL (8 hr TWA): 0.02mg/m³

WEL (15 min STEL): 0.07mg/m³

Hazardous ingredients: DIPHENYLMETHANE-4,4'-DI-ISOCYANATE
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Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: If exposure levels are likely to be exceeded, use a full-face mask fitted with an organic AXP3 filter for short term low level exposures.
For long term or high-level exposures, compressed airline breathing apparatus should be used.

Hand protection: Protective gloves. Nitrile gloves. Butyl gloves. 4 H Chemical Gloves.

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

Skin protection: Impermeable protective clothing.

PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Odour: Characteristic odour
Evaporation rate: Slow
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Reacts with water.
Viscosity: Non-viscous
Flash point °C: >200
Auto flammability °C: >530

STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat, Moist Air.
Materials to avoid: Strong oxidising agents, Strong acids, Water, Moisture, Alcohols.
Haz. decomp. products: In combustion emits toxic fumes. Contact with moisture produces carbon dioxide.

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TOXICOLOGICAL INFORMATION

Acute toxicity:	Paracoat PU Primer ORL RAT LD50 >10000 mg/kg SKN RBT LD50 >5000 mg/kg
Hazardous ingredients:	DIPHENYLMETHANE-4,4'-DI-ISOCYANATE ORL MUS LD50 2200 mg/kg ORL RAT LD50 9200 mg/kg
Chronic toxicity:	May cause sensitisation by inhalation. May cause sensitisation by skin contact. Medical checks are recommended prior to working with isocyanates and at regular intervals.
Routes of exposure:	Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

ECOLOGICAL INFORMATION

Mobility:	Reacts with water to form an insoluble polyurea. Do not discharge in to natural waters without pre-treatment.
Persistence and degradability:	Not biodegradable, Inert.
Bio accumulative potential:	No data available.

DISPOSAL CONSIDERATIONS

Disposal operations:	Arrange for disposal by a licensed waste disposal company.
Disposal of packaging:	Arrange for disposal by a licensed waste disposal company.
NB:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

TRANSPORT INFORMATION

ADR / RID UN no:	Not Classified
IMDG / IMO UN no:	Not Classified
IATA / ICAO UN no:	Not Classified

REGULATORY INFORMATION

Hazard symbols: Harmful



Risk phrases:

R36/37/38: Irritating to eyes, respiratory system and skin.
R42/43: May cause sensitisation by inhalation and skin contact.

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Safety phrases:

- S2: Keep out of the reach of children.
S23: Do not breathe vapour.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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.
S29/35: Do not empty into drains; dispose of this material and its container in a safe way.

Precautionary phrases:

Contains isocyanates. See information supplied by the manufacturer. DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

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.

OTHER INFORMATION

This product is a respiratory irritant and potential respiratory sensitiser. In cases of hypersensitivity to the respiratory tract (eg. asthmatics and those who suffer from chronic bronchitis) it is inadvisable to work with this product.

Risk phrases used in s.3:

- R20: Harmful by inhalation.
R36/37/38: Irritating to eyes, respiratory system and skin.
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. The information contained in this data sheet does not constitute an assessment of workplace risk as required by current legislation. Whilst every care is taken to see that the information is correct and up to date, it is not intended to form part of any contract or give rise to any collateral liability, which is hereby specifically excluded.

For further information, contact Technical Services at Daventry, Northants. Telephone (01327) 704778.

This data sheet cancels and supersedes all previous editions. The information contained in this data sheet is based on current knowledge and experience. The purpose of this data sheet is to describe the specific product in terms of safety requirements. It does not constitute a warranty with regard to the product's properties and/or performance in use.

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