

SAFETY DATA SHEET

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PRINT DATE:
REF: X0020

06/10/97

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

Product name: **FLEXANE 80L RESIN**
Supplier: ITW DEVCON UK
Brunel Close, Park Farm
Wellingborough, Northants NN86QX
Emergency telephone number: 01933 675299
Fax no: 01933 675765

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical name	CAS-No	EEC-no	Class	Weight %
4,4' -Methylenedi (cyclohexylisocyanate)	5124-30-1	615-009-00-0	T;R23 Xi;R36 /37/38 Xn; R42/43	<2

3. HAZARDS IDENTIFICATION

Most important hazards: Xn - harmful

4. FIRST AID MEASURES

General advice: Persons allergic to isocyanates, and particularly those suffering from asthma
Inhalation: Move to fresh air. consult a physician if necessary
Skin contact: Wash off immediately with soap and plenty of water
Eye contact: Wash off immediately with plenty of water for at least 15 minutes. Consult a physician if necessary.
Ingestion: Rinse mouth. Do not induce vomiting without medical advice.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, carbon dioxide (CO2), dry chemical
Special equipment for fire-fighters: In the event of a fire, wear self contained breathing apparatus and protective suit.
Specific methods: Standard procedure for chemical fire

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ensure adequate ventilation. Wear self-contained breathing apparatus and protective suit.
Environmental Precautions: Do not let product enter drains
Methods for cleaning up: Soak up with inert absorbent material, shovel into suitable dry metal container. Dilute with water. Keep the container open.

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7. HANDLING AND STORAGE

Handling: Open drum carefully as content may be under pressure. In case of insufficient ventilation wear suitable respiratory equipment

Storage: Keep containers tightly closed in a dry and well-ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name: 4,4' -Methylenedi (Cyclohexylisocyanate) National occupational exposure limits: 0.02mg m⁻³

Engineering measures: Ensure adequate ventilation, especially in confined areas

- Respiratory protection: In case of insufficient ventilation wear suitable respiratory
- Hand protection: Impervious butyl rubber gloves. neoprene gloves
- Eye Protection: Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection: Boots, protective suit

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Do not smoke

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid Colour: clear Odour: slight

pH (50g/l H₂O) 7

Flash point 149°C

Flammability (solid/gas) Not applicable

Relative density: - lower 1.04 (25 °C)

Viscosity (25°C) 6000

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid Keep away from heat and sources of ignition

Materials to avoid: water

Hazardous decomposition products: carbon monoxide

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: LD₅₀/oral/rat = 11000mg/kg

LD₅₀/dermal/rabbit = >10000mg/kg

Sensitization: Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates

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12. ECOLOGICAL INFORMATION

Mobility: Do not let product enter drains
Persistence and Assessment of biological degradability (closed bottle test): ? % 0
degradability:
Other information: 1.20mg/l LC50

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Solidify unexposed surplus and dispose of together
with processed material such as cured plastic waste -

Proper shipping name: Isocyanates solution
UN-No 2206
ADR/RID Class 6.1 Hi/UN No 2206
IMO Class 6.1 IMDG page 6166
EmS 6.1-02 MFAG 370
ICAO Class 6.1 UN/ID No 2206

15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations
93/21/EEC

- Contains: Isocyanates. See information supplied by the manufacturer
- Symbol(s):



Xn - Harmful

R-phrase(s): R20 - Also harmful by inhalation. R36/37/38 - irritating to eyes, respiratory
S-phrase(s): S26 - In case of contact with eyes, rinse immediately with plenty of water and
medical advice immediately (show the label where possible)

16. OTHER INFORMATION

Recommended use:
Recommended restrictions:

The information provided in this Safety Data sheet is correct to the best of our knowledge,
information and belief at the date of its publication.

FOR HARDENER SEE X0023