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PRINT DATE: 03/10/2000

SAFETY DATA SHEET

REF: X0103

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

Product name: FLEXANE HIGH PERFORMANCE BRUSHABLE RESIN

Supplier: ITW Devcon
Shannon Industrial Estate
Co. Clare, Ireland.

Brunel Close, Park Farm Ind. Est.,
Wellingborough, Northants
NN8 6QX

Emergency telephone number: 353(61)471299 01933 675299

Fax No: 353(61)471285 01933 675765

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical Name	CAS-No	EEC-No	Class	Weight %
ETHYL ACETATE	141-78-6	607-022-00-5	F; R11	20-30
CYCLOHEXANONE	108-94-1	606-010-00-7	R10 Xn; R20	<5.00
4,4'-METHYLENEDI(CYCLOHEXYLISOCYANATE)	5124-30-1	615-009-00-0	T; R23 Xi; R36/37/38 R42/43	<5.00

3. HAZARDS IDENTIFICATION

Most important hazards: Flammable.

Specific hazards: Harmful by inhalation, in contact with skin and if swallowed.

4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance. Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates

Inhalation: Move to fresh air. Consult a physician after significant exposure.

Skin contact: Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Consult a physician if necessary.

Ingestion: Rinse mouth. Do not induce vomiting. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: foam Carbon Dioxide (CO₂), dry chemical.

Extinguishing media which must not be used for safety reasons: high volume water jet.

Specific hazards: Burning produces irritant fumes.

Special protective equipment for firefighters: In case of fire, wear a self contained breathing apparatus, protective suit.

Specific methods: Standard procedure for chemical fires.

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. Avoid subsoil penetration.

Methods for cleaning up: Soak up with inert absorbent material. Shovel into a dry metal container. Dilute with water. Keep the container open.

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BRUSHABLE RESIN**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 container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: National occupational exposure limits (Ref: British COSHH - EH40):

ETHYL ACETATE	400ppm
CYCLOHEXANONE	25ppm
4,4'-METHYLENEDI(CYCLOHEXYLISOCYANATE)	0.02mg -3

Engineering measures to reduce exposure Ensure adequate ventilation, especially in confined areas.

- **Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment.
- **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: strong.
pH: (50 g/l H ₂ O)	7	(20 °C)
Boiling point/range:	78	°C
Flash point:	-4	°C
Flammability (solid, gas):	liquid	
Relative density:	- lower	0.902 (20 °C)
Water solubility	Reacts violently with water	

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to avoid: Do not expose to temperatures above .7 °C 50.

Materials to avoid: oxidizing agents,bases,Alcohol,humid air,water.

Hazardous decomposition products: Carbon monoxide,nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Harmful by inhalation, In contact with skin and If swallowed.

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

12. ECOLOGICAL INFORMATION

Mobility: Do not let product enter drains

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: In accordance with local and national regulations. Solidify unexposed surplus and dispose of together with processed material as cured plastic waste.

Contaminated packaging: In accordance with local and national regulations.

European waste Catalogue No: 08 04 99

14. TRANSPORT INFORMATION

Proper shipping name: Resin solution.

Product name:

**FLEXANE HIGH
PERFORMANCE
BRUSHABLE RESIN**

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	UN-No:	1866		
ADR/RID	Class:	3	Item:	5(c)
			HI/UN No:	1866
IMO	Class:	3.2	IMDG Page:	3278
	EmS:	3-05	MFAG:	310
Proper shipping name:		Resin solution.		
ICAO	Class:	3	UN/ID No:	1866
Proper shipping name		Resin solution.		

15. REGULATORY INFORMATION

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

- Contains: Isocyanates, Ethyl Acetate.
- Symbol(s):



F - Highly
flammable

- R -phrase(s):** Harmful by inhalation.. R42/43 - May cause sensitization by inhalation and skin contact.
- S -phrase(s):** S16 - Keep away from sources of ignition - No smoking. S23 - Do not breathe. S25 - Avoid contact with eyes. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 - After contact with skin, wash immediately with plenty of ... S38 - In case of insufficient ventilation, wear suitable respiratory equipment.. S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. OTHER INFORMATION

Recommended use: Adhesives.

Recommended restrictions:

When used in a mixture, read the labels and safety data sheets of all components.

Revision date: 01/10/2000.

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