

[查询"15250"供应商](#)

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PRINT DATE: 06/03/2000

SAFETY DATA SHEET

REF: X0024

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

Product name: **FLEXANE 94L 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	formulated product.				
Chemical Name	CAS-No	EEC-No	Class	Weight %	
4,4'-METHYLENEDI(CYCLOHEXYLIISOCYANATE)	5124-30-1	615-009-00-0	T; R23 Xi; R36/37/38 R42/43	<5	

3. HAZARDS IDENTIFICATION

Most important hazards: Xn - Harmful.

Specific hazards: severe irritation.

4. FIRST AID MEASURES

General advice: 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 if necessary.

Skin contact: Wash off immediately with soap and plenty of water.

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 without medical advice.

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. Cool containers / tanks with water spray.

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.

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

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):



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4,4'-METHYLENEDI(CYCLOHEXYLISOCYANATE)**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:** slight.**pH:** (50 g/l H₂O)

7

Flash point:

>233 °C

Flammability (solid, gas):

Not applicable

Vapour pressure:

< 10 mm Hg (25 °C)

Relative density:

- lower 1.04 (25 °C)

Water solubility

insoluble. (25 °C)

Viscosity:

(25 °C) 3500

10. STABILITY AND REACTIVITY**Stability:**

Stable.

Conditions to avoid:

Keep away from heat and sources of ignition.

Materials to avoid:

water, alcohols, amines, strong bases.

Hazardous decomposition products:carbon oxides, nitrogen oxides (NO_x).**11. TOXICOLOGICAL INFORMATION****Acute toxicity:**

LD50/oral/rat = >15.9 g/kg.

LD50/dermal/rabbit = >7900mg/kg.

Sensitization:

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

Long term toxicity:

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

12. ECOLOGICAL INFORMATION**Mobility:**

Do not let product enter drains.

Persistence / degradability:

Assessment of biological degradability (Closed-Bottle Test): 60 %

Bioaccumulation:

LC50/24h/daphnia = > 500 mg/l

Other Information:

Acute fish toxicity = 1.20mg/l.

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:**

Not classified as dangerous in the meaning of transport regulations: UN, ADR/RID, IMO & IATA/CAO.

15. REGULATORY INFORMATION**Classification according to European directive on classification of hazardous preparations 93/21/EEC**

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



Xn - Harmful.

Xi - Irritant

R -phrase(s): R42/43 - May cause sensitization by inhalation and skin contact. Irritating to eyes, respiratory system and skin

S -phrase(s): 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 .. soapy water 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). S 1/2 - Keep locked-up and out of reach of children..

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: 01/03/2000.

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

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PRINT DATE: 06/03/2000

REF: X0023

SAFETY DATA SHEET**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

Product name: **FLEXANE 80/94L HARDENER**

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 %
4,4'-DIAMINODIPHENYLMETHANE	101-77-9	612-051-00-1	Carc. Cat.2; R45 Xn; R20/21/22-48/20/21 R43	10-40

3. HAZARDS IDENTIFICATION

Most important hazards: May cause cancer

Specific hazards: May cause sensitization by inhalation and skin contact

4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance

Inhalation: Move to fresh air, Consult a physician if necessary

Skin contact: Wash off immediately with soap and plenty of water

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion: Do not induce vomiting without medical advice

5. FIRE-FIGHTING MEASURES

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

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: Avoid contact with skin and eyes, Inhalation

Environmental precautions: Do not let product enter drains

Methods for cleaning up: Soak up with inert absorbent material, Shovel into a dry metal container

7. HANDLING AND STORAGE

Handling: Open drum carefully as content may be under pressure. Use only in well-ventilated areas.

Storage: Keep containers tightly closed in a cool, well-ventilated place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: **4,4'-DIAMINODIPHENYLMETHANE**

National occupational exposure limits (Ref: British COSHH - EH40):
0.08 mg/m⁻³

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

- **Respiratory protection:** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit
- **Hand protection:** impervious butyl rubber gloves
- **Eye protection:** face-shield,

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Product name:

**FLEXANE 80/94L
HARDENER**

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- Skin and body protection: protective suit , Rubber or plastic boots
Hygiene measures: Keep away from food, drink and animal feeding stuffs. Do not smoke.
General industrial hygiene practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid.	Colour:	black.	Odour:	slight.
pH:	(50 g/l H ₂ O)	8.5			
Boiling point/range:		>200	°C		
Flash point:		>177	°C		
Melting point/range:		n/d	°C		
Flammability (solid, gas):		Not applicable			
Explosive properties:		Not applicable.			
Vapour pressure:		<1			
Relative density:		- lower	1.08	(20 °C)	
			(25 °C)		
Viscosity:		(25 °C)	1000		

10. STABILITY AND REACTIVITY

- Stability: No decomposition if stored and applied as directed.
Conditions to avoid: Keep away from heat and sources of ignition.
Materials to avoid: oxidizing agents, acids.
Hazardous decomposition products: nitrogen oxides (NO_x), Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

- Acute toxicity: irritating.
Local effects: The product causes irritation of eyes, skin and mucous membranes.
Repeated or prolonged exposure: Prolonged exposure may cause chronic effects

12. ECOLOGICAL INFORMATION

- Mobility: Do not contaminate water.
Other information: formulated product - not applicable

13. DISPOSAL CONSIDERATIONS

- Waste from residues / unused products: Solidify unexposed surplus and dispose of together with processed material as cured plastic waste - In accordance with local and national regulations
Contaminated packaging: In accordance with local and national regulations
European waste Catalogue No: 09 04 99

14. TRANSPORT INFORMATION

Proper shipping name:		Toxic Liquid n.o.s (4,4'-Diaminodiphenylmethane).		
UN-No:		2810	Marine pollutant:	Marine pollutant.
ADR/RID	Class:	6.1	Item:	25 (c)
			HI/UN No:	2810
IMO	Class:	6.1	IMDG Page:	6270-1
		EmS:	MFAQ:	4.2
Proper shipping name:		Toxic Liquid n.o.s (4,4'-Diaminodiphenylmethane).		
ICAO	Class:	6.1	UN/ID No:	2810
Proper shipping name		Toxic Liquid n.o.s (4,4'-Diaminodiphenylmethane).		

15. REGULATORY INFORMATION

- Classification according to European directive on classification of hazardous preparations 93/21/EEC
- Contains: 3-4% 4,4'-DIAMINODIPHENYLMETHANE

Product name: **FLEXANE 80/94L**
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- Symbol(s):



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R -phrase(s): R45 - May cause cancer.. R42/43 - May cause sensitization by inhalation and skin contact

S -phrase(s): S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S53 - Avoid exposure - obtain special instructions before use.

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: 01/03/2000.

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