

**SAFETY DATA SHEET****IRATHANE P255XD****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT NAME IRATHANE P255XD
 PRODUCT NO. 0523
 SUPPLIER ITW IRATHANE FUTURA
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
4,4'-METHYLENEDI(CYCLOHEXYL ISOCYANATE)	225-863-2	5124-30-1	1-10%	T;R23 R42/43 Xi;R36/37/38
DICHLOROMETHANE	200-838-9	75-09-2	10-30%	Carc3;R40
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE	202-966-0	101-68-8	1-5%	Xn;R20 R42/43 Xi;R36/37/38

The Full Text for all R-Phrases are Displayed in Section 16

3 HAZARDS IDENTIFICATION

Toxic by inhalation. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact.

CLASSIFICATION T;R23. Carc 3;R40. R42/43.

HUMAN HEALTH

Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates. Persons susceptible for allergic reactions should not handle this product. Persons with impaired lung functions should not handle this preparation.

4 FIRST-AID MEASURES**GENERAL INFORMATION**

Avoid inhalation of vapours and contact with skin and eyes. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

INHALATION

Move the exposed person to fresh air at once. Contact physician if discomfort continues.

INGESTION

Try to induce vomiting. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention immediately!

SKIN CONTACT

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

IRATHANE P255XD**EXTINGUISHING MEDIA**

Extinguish with foam, carbon dioxide or dry powder.

SPECIFIC HAZARDS

Avoid breathing fire vapours.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Warn everybody of potential hazards and evacuate if necessary. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Do not breathe vapour.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Absorb spillage with non-combustible, absorbent material. Transfer to a dry metal container, keeping it open for 48 hours. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Provide good ventilation. Use only in well-ventilated areas. Avoid inhalation of vapours/spray and contact with skin and eyes. Handle and open container with care. Do not use in confined spaces without adequate ventilation and/or respirator. Do not eat, drink or smoke when using the product. Observe good industrial hygiene practices.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
DICHLOROMETHANE	MEL	100 ppm(Sk)	350 mg/m3(Sk)	300 ppm(Sk)	1060 mg/m3(Sk)
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE	MEL		0.02 mg/m3(Sen)		0.07 mg/m3(Sen)
4,4'-METHYLENEDI(CYCLOHEXYL ISOCYANATE)	MEL		0.02 mg/m3(Sen)		0.07 mg/m3(Sen)

PROTECTIVE EQUIPMENT**PROCESS CONDITIONS**

Provide eyewash, quick drench.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Use protective gloves made of: Rubber, neoprene or PVC.

EYE PROTECTION

Use approved safety goggles or face shield.

HYGIENE MEASURES

Keep away from food, drink and animal feeding stuffs. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product.

SKIN PROTECTION

Protection suit must be worn.

IRATHANE P255XD**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Liquid		
COLOUR	Translucent		
ODOUR	Ether		
SOLUBILITY	Slightly soluble in water.		
MELTING POINT (°C)	8	RELATIVE DENSITY	1.08 20 °C
FLASH POINT (°C)	does not flash	FLAMMABILITY LIMIT - LOWER(%)	13
FLAMMABILITY LIMIT - UPPER(%)	33		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight.

MATERIALS TO AVOID

Water, moisture.

HAZARDOUS DECOMPOSITION PRODUCTS

None under normal conditions.

11 TOXICOLOGICAL INFORMATION**GENERAL INFORMATION**

Limited evidence of a carcinogenic effect.

INHALATION

Toxic by inhalation. Irritating to respiratory system. May cause sensitisation by inhalation.

SKIN CONTACT

Irritating to skin. May cause sensitisation by skin contact. Risk of sensitisation or allergic reactions among sensitive individuals.

EYE CONTACT

Irritating to eyes.

HEALTH WARNINGS

Limited evidence of a carcinogenic effect. Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates. Persons susceptible for allergic reactions should not handle this product. Persons with impaired lung functions should not handle this preparation.

ROUTE OF ENTRY

Inhalation. Ingestion. Skin absorption.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Avoid release to the environment.

MOBILITY

Do not discharge into drains, water courses or onto the ground.

WATER HAZARD CLASSIFICATION

WGK 2

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

WASTE CLASS

08 04 99

14 TRANSPORT INFORMATION

IRATHANE P255XD



UK ROAD CLASS	6.1		
PROPER SHIPPING NAME	TOXIC LIQUID, ORGANIC, N.O.S. (DICHLOROMETHANE, 4, 4'-METHYLENEDI(CYCLOHEXYL ISOCYANATE))		
UN NO. ROAD	2810	UK ROAD PACK GR.	III
ADR CLASS NO.	6.1	ADR CLASS	Class 6.1: Toxic substances.
ADR PACK GROUP	III	HAZARD No. (ADR)	60
ADR LABEL NO.	6.1	HAZCHEM CODE	2X
CEFIC TEC(R) NO.	61GT1-III	RID CLASS NO.	6.1
RID PACK GROUP	III	UN NO. SEA	2810
IMDG CLASS	6.1	IMDG PAGE NO.	6.1
IMDG PACK GR.	III	EMS	F-A, S-A
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	2810	ICAO CLASS	6.1
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Toxic

CONTAINS

4,4'-METHYLENEDI(CYCLOHEXYL ISOCYANATE)
 DICHLOROMETHANE
 DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

RISK PHRASES

R23	Toxic by inhalation.
R40	Limited evidence of a carcinogenic effect.
R42/43	May cause sensitisation by inhalation and skin contact.

SAFETY PHRASES

S1/2	Keep locked up and out of the reach of children.
S23	Do not breathe vapour/spray.
S24/25	Avoid contact with skin and 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 water.
S36/37	Wear suitable protective clothing and gloves.
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 label where possible).

16 OTHER INFORMATION

REVISION DATE	12/07/2005
REV. NO./REPL. SDS GENERATED	5
DATE	21.02.2005

IRATHANE P255XD

RISK PHRASES IN FULL

R20	Harmful by inhalation.
R23	Toxic by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R40	Limited evidence of a carcinogenic effect.
R42/43	May cause sensitisation by inhalation and skin contact.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.