

**SAFETY DATA SHEET****IRABOND UU55 / 52A****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT NAME IRABOND UU55 / 52A
 PRODUCT NO. ADH UU55
 SUPPLIER ITW IRATHANE FUTURA
 BRUNEL CLOSE
 PARK FARM INDUSTRIAL ESTATE
 WELLINGBOROUGH
 NORTHANTS
 NN8 6QX ,UK
 T:0044 1 933 675099
 F:0044 1 933 670830

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
2-METHOXY-1-METHYLETHYL ACETATE	203-603-9	108-65-6	10-30%	R10 Xi;R36
2-METHOXYPROPYL ACETATE	274-724-2	70657-70-4	< 1%	R10 Repr2;R61 Xi;R37
TOLUENE DI-ISOCYANATE (MIXTURE OF ISOMERS)	247-722-4	26471-62-5	< 1%	Xn;R20. R42.
XYLENE	215-535-7	1330-20-7	10-30%	R10 Xn;R20/21 Xi;R38

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

3 HAZARDS IDENTIFICATION

Flammable. May cause sensitisation by inhalation. Harmful by inhalation and in contact with skin. Irritating to eyes and skin. May cause harm to the unborn child. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Rep 1;R61. Xn;R20/21. R42. Xi;R36/38. R10, R52/53.

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. Pregnant women should not work with the product, if there is the least risk of exposure. Pregnant or breastfeeding women must not handle this product.

4 FIRST-AID MEASURES**GENERAL INFORMATION**

Do not breathe vapour. Avoid 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. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Contact physician if discomfort continues.

INGESTION

DO NOT induce vomiting. Get medical attention immediately. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

SKIN CONTACT

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

IRABOND UU55 / 52A**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**EXTINGUISHING MEDIA**

Extinguish with foam, carbon dioxide or dry powder. Larger fires: Water spray, fog or mist.

SPECIAL FIRE FIGHTING PROCEDURES

Keep up-wind to avoid fumes. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control. Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

SPECIFIC HAZARDS

Flammable. Avoid breathing fire vapours. May develop highly toxic or corrosive fumes if heated.

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**

Flammable. Warn everybody of potential hazards and evacuate if necessary. Do not smoke, use naked flames or other sources of ignition. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

Prevent entry into drains. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

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

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Use only in well-ventilated areas. Keep away from heat, sparks and open flame. Provide good ventilation. Static electricity and formation of sparks must be prevented. Open drum carefully as content may be under pressure. Do not use in confined spaces without adequate ventilation and/or respirator. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Observe good industrial hygiene practices.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. Avoid contact with water.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
XYLENE	OES	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)
2-METHOXY-1-METHYLETHYL ACETATE	OES	50 ppm(Sk)	274 mg/m3(Sk)	100 ppm(Sk)	548 mg/m3(Sk)

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.

IRABOND UU55 / 52A

HAND PROTECTION

Use protective gloves made of: Nitrile gloves are recommended. Butyl rubber gloves are recommended. PVC gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Use engineering controls to reduce air contamination to permissible exposure level. Wear appropriate clothing to prevent any possibility of skin contact.

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.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Clear		
ODOUR	Xylene.		
SOLUBILITY	Immiscible with water		
BOILING POINT (°C)	87	RELATIVE DENSITY	1.0 20 °C
VISCOSITY	<0.5 poise 25	FLASH POINT (°C)	24

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. Avoid frost.

MATERIALS TO AVOID

Bases, alkalies (inorganic). Bases, alkalies (organic). Ammonia Amines. Water. Acids.

HAZARDOUS DECOMPOSITION PRODUCTS

None under normal conditions. By heating and fire, irritating vapours/gases may be formed.

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

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. Pregnant or breastfeeding women must not handle this product. Pregnant women should not work with the product, if there is the least risk of exposure.

INHALATION

Prolonged inhalation of high concentrations may damage respiratory system. Pulmonary sensitiser. Severe pulmonary irritant. Recognised allergen. Repeated exposure may cause chronic upper respiratory irritation. Asthma, pulmonary sensitisation.

INGESTION

Swallowing concentrated chemical may cause severe internal injury.

SKIN CONTACT

Irritating to skin.

EYE CONTACT

May cause severe irritation to eyes. May cause temporary blindness and severe eye damage.

HEALTH WARNINGS

This chemical can be hazardous when inhaled and/or touched.

ROUTE OF ENTRY

Inhalation. Ingestion. Skin and/or eye contact.

TARGET ORGANS

Respiratory system, lungs.

IRABOND UU55 / 52A**MEDICAL SYMPTOMS**

EYES AND MUCOUS MEMBRANES. Irritation, burning, lachrymation, blurred vision after liquid splash. RESPIRATORY SYSTEM. Severe pulmonary irritation. General respiratory distress, unproductive cough. SKIN. Severe skin irritation. DIGESTIVE SYSTEM. Nausea, vomiting. Severe abdominal pain.

MEDICAL CONSIDERATIONS

Skin disorders and allergies. Chronic respiratory and obstructive airway diseases.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Avoid release to the environment. The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

MOBILITY

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

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

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

WASTE CLASS

08 04 99

14 TRANSPORT INFORMATION

UK ROAD CLASS	3		
PROPER SHIPPING NAME	PAINT OR PAINT RELATED MATERIAL		
UN NO. ROAD	1263	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	HAZARD No. (ADR)	30
ADR LABEL NO.	3	HAZCHEM CODE	3Y
CEPIC TEC(R) NO.	30GF1-III, 30GF1-sp	RID CLASS NO.	3
RID PACK GROUP	III	UN NO. SEA	1263
IMDG CLASS	3	IMDG PACK GR.	III
EMS	F-E, S-E	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1263
ICAO CLASS	3	AIR PACK GR.	III

15 REGULATORY INFORMATION**LABELLING**

Toxic

CONTAINS

2-METHOXYPROPYL ACETATE
XYLENE

RISK PHRASES

R10 Flammable.

IRABOND UU55 / 52A

SAFETY PHRASES	R20/21	Harmful by inhalation and in contact with skin.
	R36/38	Irritating to eyes and skin.
	R42	May cause sensitisation by inhalation.
	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R61	May cause harm to the unborn child.
	S23	Do not breathe vapour/spray.
	S25	Avoid contact with eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	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).
	S53	Avoid exposure - obtain special instructions before use.
	S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
	P11	Restricted to professional users.
	P14	Contains TOLUENE DI-ISOCYANATE (MIXTURE OF ISOMERS). May produce an allergic reaction.

16 OTHER INFORMATION

REVISION DATE 12/09/2005

REV. NO./REPL. SDS GENERATED 7

DATE 20.04.2005

RISK PHRASES IN FULL

R10	Flammable.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R42	May cause sensitisation by inhalation.
R61	May cause harm to the unborn child.

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.