

**SAFETY DATA SHEET****IRABOND RU80****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT NAME IRABOND RU80
 PRODUCT NO. ADH RU80
 SUPPLIER ITW IRATHANE FUTURA
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ETHYL ACETATE	205-500-4	141-78-6	60-100%	F;R11 Xi;R36 R66 R67
TRICHLOROISOCYANURIC ACID	201-782-8	87-90-1	1-5%	O;R8 Xn;R22 Xi;R36/37 R31 N;R50/53

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

3 HAZARDS IDENTIFICATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Highly flammable. Irritating to eyes.

CLASSIFICATION Xi;R36. F;R11. R52/53, R66, R67.

4 FIRST-AID MEASURES**GENERAL INFORMATION**

Avoid contact with skin and eyes. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. NOTE! Keep affected person away from heat, sparks and flames!

INHALATION

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Immediately rinse mouth and provide fresh air. Get medical attention immediately! NOTE! Keep affected person away from heat, sparks and flames!

SKIN CONTACT

Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

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SPECIAL FIRE FIGHTING PROCEDURES

Move container from fire area if it can be done without risk. Containers close to fire should be removed or cooled with water. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

Highly flammable. Vapours are heavier than air and may spread near ground to sources of ignition.

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

Highly flammable. 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. Do not smoke, use naked flames or other sources of ignition. 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

Absorb spillage with non-combustible, absorbent material. Transfer to a container for disposal. 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. Open drum carefully as content may be under pressure. Use explosion proof electric equipment. Static electricity and formation of sparks must be prevented. Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Do not use in confined spaces without adequate ventilation and/or respirator. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Observe good industrial hygiene practices.

STORAGE PRECAUTIONS

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

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
ETHYL ACETATE	OES	200 ppm		400 ppm	

INGREDIENT COMMENTS

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash, quick drench.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation. Explosion-proof 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.

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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	Colourless		
ODOUR	Characteristic Ester.		
SOLUBILITY	Insoluble in water		
RELATIVE DENSITY	.86 - .94 @ 20 °C	VISCOSITY	1-10 mPas 25
FLASH POINT (°C)	-4 Sh CC (Setaflash closed cup).		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID

Strong oxidising substances. Strong alkalies. Strong acids. Polymerisable material.

HAZARDOUS DECOMPOSITION PRODUCTS

Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION

Irritating to respiratory system. Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication.

INGESTION

Harmful if swallowed.

SKIN CONTACT

Irritating to skin. May cause sensitisation by skin contact. May be absorbed through the skin.

EYE CONTACT

Irritating to eyes.

ROUTE OF ENTRY

Inhalation. Skin and/or eye contact. Ingestion.

MEDICAL SYMPTOMS

Irritation of eyes and mucous membranes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Avoid release to the environment. The product contains a substance which is very toxic 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

GENERAL INFORMATION

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

DISPOSAL METHODS

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

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WASTE CLASS

08 04 99

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	Paint related material		
UN NO. ROAD	1263	ADR CLASS NO.	3
ADR PACK GROUP	II	RID CLASS NO.	3
RID PACK GROUP	II	UN NO. SEA	1263
IMDG CLASS	3	IMDG PACK GR.	II
UN NO. AIR	1263	ICAO CLASS	3
AIR PACK GR.	II		

15 REGULATORY INFORMATION

LABELLING



Irritant



Highly Flammable

CONTAINS

ETHYL ACETATE

RISK PHRASES

R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
R11	Highly flammable.
R36	Irritating to eyes.

SAFETY PHRASES

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S51	Use only in well-ventilated areas.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

16 OTHER INFORMATION

REVISION DATE 13/07/2005

REV. NO./REPL. SDS GENERATED 2

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RISK PHRASES IN FULL

R11	Highly flammable.
R22	Harmful if swallowed.
R31	Contact with acids liberates toxic gas.
R36	Irritating to eyes.
R36/37	Irritating to eyes and respiratory system.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
R8	Contact with combustible material may cause fire.

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.