



SAFETY DATA SHEET
IRABOND UU52B

1. Identification

Product identifier

Product name IRABOND UU52B

Product number ADH UU52B

Recommended use of the chemical and restrictions on use

Application Primer.

Details of the supplier of the safety data sheet

Supplier

ITW Performance Polymers
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82
353(61)771500
353(61)471285
mail@itwpp.com

Emergency telephone number

Emergency telephone +44(0)1235 239 670 (24h)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Flam. Liq. 3 - H226

Health hazards Acute Tox. 4 - H332 Repr. 1B - H360D STOT SE 3 - H336

Environmental hazards Not Classified

Label elements

Pictogram



Signal word

Danger

Hazard statements

H226 Flammable liquid and vapor.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H360D May damage the unborn child.

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Precautionary statements	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.</p> <p>P240 Ground/ bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P261 Avoid breathing vapor/ spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>P308+P313 If exposed or concerned: Get medical advice/ attention.</p> <p>P312 Call a poison center/ doctor if you feel unwell.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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Contains 1-METHOXY-2-PROPANOL, CYCLOHEXANONE, 2-METHOXYPROPANOL

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

1-METHOXY-2-PROPANOL	30-60%
CAS number: 107-98-2	
Classification	
Flam. Liq. 3 - H226	
STOT SE 3 - H336	
CYCLOHEXANONE	30-60%
CAS number: 108-94-1	
Classification	
Flam. Liq. 3 - H226	
Acute Tox. 4 - H332	
2-METHOXYPROPANOL	<1%
CAS number: 1589-47-5	
Classification	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Repr. 1B - H360D	
STOT SE 3 - H335	

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The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

General information	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	DO NOT induce vomiting. Get medical attention immediately.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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Indication of immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder.
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Special hazards arising from the substance or mixture

Specific hazards	Avoid breathing fire gases or vapors. The product is flammable. Vapors are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapors may be ignited by a spark, a hot surface or an ember.
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Advice for firefighters

Protective actions during firefighting	Do not use water jet as an extinguisher, as this will spread the fire.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	The product is flammable. Warn everybody of potential hazards and evacuate if necessary. Provide adequate ventilation. Avoid inhalation of vapors and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Use suitable respiratory protection if ventilation is inadequate. No smoking, sparks, flames or other sources of ignition near spillage.
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Environmental precautions

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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Methods and material for containment and cleaning up

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Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

7. Handling and storage

Precautions for safe handling

Usage precautions Use only in well-ventilated areas. Keep away from heat, sparks and open flame. Handle and open container with care. Avoid inhalation of vapors and contact with skin and eyes. Static electricity and formation of sparks must be prevented. Storage tanks and other containers must be grounded. Do not eat, drink or smoke when using the product. Do not use in confined spaces without adequate ventilation and/or respirator. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10).

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

Ingredient comments WEL = Workplace Exposure Limits

Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate general and local exhaust ventilation.

Eye/face protection The following protection should be worn: Chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.

Hand protection Wear protective gloves made of the following material: Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC). To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. The selected gloves should have a breakthrough time of at least 8 hours.

Other skin and body protection Wear chemical protective suit.

Hygiene measures Provide eyewash station and safety shower. Keep away from food, drink and animal feeding stuffs. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product.

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Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Liquid.
Color	Amber.
Odor	No characteristic odor.
Initial boiling point and range	145°C @
Flash point	44°C
Upper/lower flammability or explosive limits	Upper flammable/explosive limit: 8 Lower flammable/explosive limit: 1.1
Relative density	1.00 @ 20 °C°C
Solubility(ies)	Insoluble in water.
Viscosity	<50 mPa s @ 20°C
Other information	Not available.

10. Stability and reactivity

Reactivity	Acids. Strong oxidizing agents.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Not available.
Conditions to avoid	Avoid heat, flames and other sources of ignition.
Materials to avoid	Avoid contact with the following materials: Strong oxidizing agents. Strong acids. Alkalis - inorganic. Alkalis - organic.
Hazardous decomposition products	Does not decompose when used and stored as recommended.

11. Toxicological information

Information on toxicological effects

Acute toxicity - inhalation

ATE inhalation (gases ppm) 11,335.01

ATE inhalation (vapours mg/l) 27.71

ATE inhalation (dusts/mists mg/l) 3.78

Inhalation Harmful by inhalation.

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Eye contact	Irritating to eyes.
Route of entry	Inhalation Skin absorption Ingestion.

12. Ecological Information

Ecotoxicity	Avoid release to the environment.
Toxicity	Not considered toxic to fish.
<u>Persistence and degradability</u>	
Persistence and degradability	There are no data on the degradability of this product.
<u>Bioaccumulative potential</u>	
Bio-Accumulative Potential	No data available on bioaccumulation.
<u>Mobility in soil</u>	
Mobility	Do not discharge into drains or watercourses or onto the ground.
<u>Other adverse effects</u>	
Other adverse effects	Not available.

13. Disposal considerations

Waste treatment methods

General information	When handling waste, the safety precautions applying to handling of the product should be considered.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	08 04 99

14. Transport information

General	No other information known.
<u>UN Number</u>	
UN No. (TDG)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263
UN No. (DOT)	1263
<u>UN proper shipping name</u>	
Proper shipping name (TDG)	PAINT RELATED MATERIAL
Proper shipping name (IMDG)	PAINT RELATED MATERIAL
Proper shipping name (ICAO)	PAINT RELATED MATERIAL
Proper shipping name (DOT)	PAINT RELATED MATERIAL
<u>Transport hazard class(es)</u>	
TDG class	3
TDG label(s)	3

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IMDG Class 3

ICAO class/division 3

Transport labels**Packing group**

TDG Packing Group III

IMDG packing group III

ICAO packing group III

DOT packing group III

Environmental hazards**Environmentally Hazardous Substance**

No.

Special precautions for user

EmS F-E, S-E

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information required.

15. Regulatory information**16. Other information**

Revision date 4/4/2018

Revision 8

Supersedes date 8/16/2017

Hazard statements in full

H226 Flammable liquid and vapor.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H360D May damage the unborn child.

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.