

# **ITW** Performance Polymers

## SAFETY DATA SHEET IRABOND UU55-52A

### 1. Identification

#### Product identifier

**Product name** IRABOND UU55-52A

**Product number** ADH UU55

#### 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  
customerservice.shannon@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** Not Classified

**Health hazards** Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351

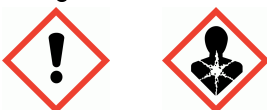
**Environmental hazards** Not Classified

#### Human health

Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates. Persons susceptible to allergic reactions should not handle this product. Persons with impaired lung function should not handle this product.. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure.

#### Label elements

##### Pictogram



##### Signal word

Danger

## IRABOND UU55-52A

<b>Hazard statements</b>	<p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H332 Harmful if inhaled.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H351 Suspected of causing cancer.</p>
<b>Precautionary statements</b>	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P261 Avoid breathing vapor/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P272 Contaminated work clothing must not be allowed out of the workplace.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P284 [In case of inadequate ventilation] wear respiratory protection.</p> <p>P302+P352 If on skin: Wash with plenty of water.</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>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P342+P311 If experiencing respiratory symptoms: Call a poison center/ doctor.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

### Other hazards

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

### 3. Composition/information on ingredients

#### Mixtures

<b>XYLENE, MIXTURES OF ISOMERES</b>	<b>30-60%</b>
CAS number: 1330-20-7	
<b>Classification</b>	
Flam. Liq. 3 - H226	
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
<b>TOLUENE-DIISOCYANATE</b>	<b>&lt;1%</b>
CAS number: 26471-62-5	
<b>Classification</b>	
Acute Tox. 2 - H330	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Resp. Sens. 1 - H334	
Skin Sens. 1 - H317	
Carc. 2 - H351	
STOT SE 3 - H335	
Aquatic Chronic 3 - H412	

## IRABOND UU55-52A

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

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Do not breathe vapour. Avoid contact with skin and eyes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Inhalation</b>	Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting.
<b>Skin Contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing.

#### Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
----------------------------	---

#### Indication of immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
-----------------------------	---

### 5. Fire-fighting measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with foam, carbon dioxide or dry powder. Larger fires: Water spray, fog or mist.
-------------------------------------	---

#### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Flammable. Avoid breathing fire gases or vapors. Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapors.
-------------------------	--

#### Advice for firefighters

<b>Protective actions during firefighting</b>	Keep up-wind to avoid fumes. Do not use water jet as an extinguisher, as this will spread the fire. Control run-off water by containing and keeping it out of sewers and watercourses. Move containers from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.
---	--

<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
--	---

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Flammable. Warn everybody of potential hazards and evacuate if necessary. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapors and contact with skin and eyes.
-----------------------------	---

#### Environmental precautions

<b>Environmental precautions</b>	Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
----------------------------------	---

## IRABOND UU55-52A

### Methods and material for containment and cleaning up

**Methods for cleaning up** 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 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. Provide adequate 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 vapors/spray and contact with skin and eyes. Good personal hygiene procedures should be implemented.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid contact with water. 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. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.

##### Hand protection

Wear protective gloves made of the following material: It is recommended that gloves are made of the following material: Nitrile rubber. It is recommended that gloves are made of the following material: Butyl rubber. It is recommended that gloves are made of the following material: 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**

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

## IRABOND UU55-52A

**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

<b>Appearance</b>	Liquid.
<b>Color</b>	Clear liquid.
<b>Odor</b>	Xylene.
<b>Initial boiling point and range</b>	87°C @
<b>Flash point</b>	24°C
<b>Relative density</b>	1.0 @ 20 °C°C
<b>Solubility(ies)</b>	Immiscible with water.
<b>Viscosity</b>	<0.5 poise @ 25°C
<b>Other information</b>	Not available.

### 10. Stability and reactivity

<b>Reactivity</b>	Acids. Amines. Reacts strongly with water.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	Not available.
<b>Conditions to avoid</b>	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 freezing.
<b>Materials to avoid</b>	Alkalis - inorganic. Alkalis - organic. Ammonia. Amines. Water. Acids.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Irritating gases or vapors.

### 11. Toxicological information

#### Information on toxicological effects

##### Acute toxicity - dermal

ATE dermal (mg/kg) 3,142.86

##### Acute toxicity - inhalation

ATE inhalation (gases ppm) 7,258.06

ATE inhalation (vapours mg/l) 22.82

ATE inhalation (dusts/mists mg/l) 2.83

## IRABOND UU55-52A

<b>General information</b>	Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates. Persons susceptible to allergic reactions should not handle this product. Persons with impaired lung function should not handle this product.. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure.
<b>Inhalation</b>	Prolonged inhalation of high concentrations may damage respiratory system. May cause sensitisation by inhalation. A single exposure may cause the following adverse effects: Severe lung irritation. Recognised allergen. Repeated exposure may cause chronic upper respiratory irritation. Asthma, pulmonary sensitization.
<b>Ingestion</b>	Swallowing concentrated chemical may cause severe internal injury.
<b>Skin Contact</b>	Irritating to skin.
<b>Eye contact</b>	May cause severe eye irritation. May cause temporary blindness and severe eye damage.
<b>Acute and chronic health hazards</b>	This chemical can be hazardous when inhaled and/or touched.
<b>Route of exposure</b>	Inhalation Ingestion. Skin and/or eye contact
<b>Target Organs</b>	Respiratory system, lungs
<b>Medical Symptoms</b>	EYES AND MUCOUS MEMBRANES. Irritation, burning, lachrymation, blurred vision after liquid splash. RESPIRATORY SYSTEM. Severe lung irritation. General respiratory distress, unproductive cough. SKIN. Severe skin irritation. DIGESTIVE SYSTEM. Nausea, vomiting. Severe stomach pain.
<b>Medical considerations</b>	Skin disorders and allergies. Chronic respiratory and obstructive airway diseases.

### 12. Ecological Information

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

### 13. Disposal considerations

#### Waste treatment methods

<b>General information</b>	When handling waste, the safety precautions applying to handling of the product should be considered.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## IRABOND UU55-52A

**Waste class** 08 04 99

### 14. Transport information

**General** No other information known.

#### UN Number

UN No. (TDG) 1866

UN No. (IMDG) 1866

UN No. (ICAO) 1866

UN No. (DOT) 1866

#### UN proper shipping name

Proper shipping name (TDG) RESIN SOLUTION

Proper shipping name (IMDG) RESIN SOLUTION

Proper shipping name (ICAO) RESIN SOLUTION

Proper shipping name (DOT) RESIN SOLUTION

#### Transport hazard class(es)

TDG class 3

TDG label(s) 3

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

**IRABOND UU55-52A****16. Other information**

<b>Revision comments</b>	Revised formulation.
<b>Revision date</b>	11/2/2018
<b>Revision</b>	21
<b>Supersedes date</b>	4/4/2018
<b>Hazard statements in full</b>	H226 Flammable liquid and vapor. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H330 Fatal if inhaled. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H412 Harmful to aquatic life with long lasting effects.

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.