

ITW Performance Polymers

SAFETY DATA SHEET IRABOND 9924 B

1. Identification

Product identifier

Product name IRABOND 9924 B

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
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353(61)471285
customerservice.shannon@itwpp.com

Emergency telephone number

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

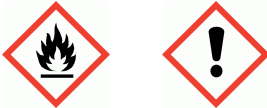
2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Flam. Liq. 2 - H225
Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2A - H319
Environmental hazards Not Classified

Label elements

Hazard symbols



Signal word Danger

Hazard statements
H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

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Precautionary statements	<p>P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.</p> <p>P233 Keep container tightly closed.</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>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 If on skin: Wash with plenty of water.</p> <p>P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</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>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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3. Composition/information on ingredients

Mixtures

1-(3-methoxypropoxy) propyl acetate 10-30%
CAS number: 88917-22-0
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319
BUTAN-2-OL 5-10%
CAS number: 78-92-2
Classification Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 STOT SE 3 - H335, H336
PHOSPHORIC ACID ...% 1-5%
CAS number: 7664-38-2
Classification Skin Corr. 1B - H314 Eye Dam. 1 - H318

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METHANOL	<1%
CAS number: 67-56-1	
Classification Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	

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

4. First-aid measures

Description of first aid measures

General information	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Keep affected person away from heat, sparks and flames.
Inhalation	Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. If breathing stops, provide artificial respiration. Get medical attention immediately.
Ingestion	Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Rinse mouth. Give plenty of water to drink. Get medical attention immediately.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention immediately.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

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. Get medical attention.
Inhalation	Vapors may cause headache, fatigue, dizziness and nausea. Irritation of nose, throat and airway.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting. Drowsiness, dizziness, disorientation, vertigo.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Irritation of eyes and mucous membranes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Development of symptoms may be delayed for 24 to 48 hours.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc. Foam.

Special hazards arising from the substance or mixture

Specific hazards Vapors are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

Advice for firefighters

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Protective actions during firefighting	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
Special protective equipment for firefighters	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. Keep combustible materials away from spillage. Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Static electricity and formation of sparks must be prevented. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating and lighting equipment. Avoid spilling. Use only in well-ventilated areas. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

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).

Storage class Flammable liquid storage.

Specific end uses(s)

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

8. Exposure controls/Personal protection

Exposure controls

Protective equipment



Appropriate engineering controls

Use explosion-proof general and local exhaust ventilation.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.

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Hand protection	It is recommended that chemical-resistant, impervious gloves are worn. Wear protective gloves made of the following material: Butyl rubber. Wear protective gloves made of the following material: Nitrile rubber. Wear protective gloves made of the following material: Neoprene. 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 most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The selected gloves should have a breakthrough time of at least 8 hours.
Other skin and body protection	Wear apron or protective clothing in case of contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Promptly remove any clothing that becomes contaminated.
Respiratory protection	No specific recommendations. Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid.
Color	Colorless.
Odor	Solvent.
Flash point	20°C Setaflash closed cup.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.3%(V) Upper flammable/explosive limit: 19%(V)
Relative density	0.93-0.97
Solubility(ies)	Insoluble in water.
Viscosity	10 mPa s @ 25°C
Volatile organic compound	This product contains a maximum VOC content of 950 g/l.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	Avoid heat, flames and other sources of ignition.
Materials to avoid	Strong acids. Strong alkalis. Strong oxidizing agents.
Hazardous decomposition products	Carbon dioxide (CO ₂). Carbon monoxide (CO). Phosphoric acid mist.

11. Toxicological information

Information on toxicological effects

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Acute toxicity - oral

ATE oral (mg/kg) 3,921.57

Acute toxicity - dermal

ATE dermal (mg/kg) 85,714.29

Acute toxicity - inhalation

ATE inhalation (gases ppm) 200,000.0

ATE inhalation (vapours mg/l) 857.14

ATE inhalation (dusts/mists mg/l) 142.86

General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Irritating to respiratory system.
Ingestion	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
Skin Contact	Skin irritation should not occur when used as recommended.
Eye contact	Irritating to eyes.

12. Ecological information

Ecotoxicity	Do not discharge into drains or watercourses or onto the ground. The product components are not classified as environmentally hazardous.
Toxicity	No data available.
<u>Persistence and degradability</u>	
Persistence and degradability	There are no data on the degradability of this product.
Biodegradation	Not applicable.
<u>Bioaccumulative potential</u>	
Bio-Accumulative Potential	The product does not contain any substances expected to be bioaccumulating.
<u>Mobility in soil</u>	
Mobility	The product is insoluble in water.
<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. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Waste is classified as hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
Waste class	08 04 09

14. Transport information

IRABOND 9924 B**UN Number**

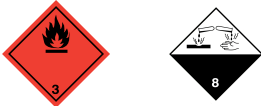
UN No. (TDG)	2924
UN No. (IMDG)	2924
UN No. (ICAO)	2924
UN No. (DOT)	2924

UN proper shipping name

Proper shipping name (TDG)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (BUTANOL-norm, PHOSPHORIC ACID...%)
Proper shipping name (IMDG)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (BUTANOL-norm, PHOSPHORIC ACID...%)
Proper shipping name (ICAO)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (BUTANOL-norm, PHOSPHORIC ACID...%)
Proper shipping name (DOT)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (BUTANOL-norm, PHOSPHORIC ACID...%)

Transport hazard class(es)

TDG class	3
TDG subsidiary risk	8
TDG label(s)	3
IMDG Class	3
IMDG subsidiary risk	8
ICAO class/division	3
ICAO subsidiary risk	8

Transport labels**Packing group**

TDG Packing Group	II
IMDG packing group	II
ICAO packing group	II
DOT packing group	II

Environmental hazards

Environmentally Hazardous Substance
No.

Special precautions for user

EmS F-E, S-C

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

Revision date	2/10/2021
Revision	5

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Supersedes date	5/6/2020
SDS No.	20752
Hazard statements in full	H225 Highly flammable liquid and vapor. H226 Flammable liquid and vapor. H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H370 Causes damage to organs .

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.