SAFETY DATA SHEET
IMPAX IXT - 59 SOLVENT

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: IMPAX IXT - 59 SOLVENT

1.2. Relevant identified uses of the substance or mixture and uses advised against

Uses advised against: No specific uses advised against are identified.

1.3. 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

1.4. Emergency telephone number

Emergency telephone: +44 (0) 1235 239670

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards: Flam. Liq. 3 - H226
Health hazards: Repr. 1B - H360D STOT SE 3 - H336
Environmental hazards: Not Classified

2.2. Label elements

Pictogram

Signal word: Danger

Hazard statements:
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H360D May damage the unborn child.
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Precautionary statements

- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing vapour/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Contains

- 1-METHOXY-2-PROPANOL
- 2-METHOXYPROPANOL

Supplementary precautionary statements

- P201 Obtain special instructions before use.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P271 Use only outdoors or in a well-ventilated area.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>1-METHOXY-2-PROPANOL</th>
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<td>CAS number: 107-98-2</td>
<td>EC number: 203-539-1</td>
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<tr>
<td>STOT SE 3 - H336</td>
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<table>
<thead>
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<td>EC number: 216-455-5</td>
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<td>Flam. Liq. 3 - H226</td>
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<tr>
<td>Skin Irrit. 2 - H315</td>
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<tr>
<td>Eye Dam. 1 - H318</td>
<td></td>
</tr>
<tr>
<td>Repr. 1B - H360D</td>
<td></td>
</tr>
<tr>
<td>STOT SE 3 - H335</td>
<td></td>
</tr>
</tbody>
</table>

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove affected person from source of contamination. 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.
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Ingestion
Get medical attention immediately. Rinse mouth thoroughly with water. Do not induce vomiting.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye contact
Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2. 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.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Extinguish with carbon dioxide or dry powder.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
In case of spills, beware of slippery floors and surfaces. Avoid inhalation of vapours and contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions
Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. 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 labelled with correct contents and hazard symbol.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Keep away from heat, sparks and open flame. 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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7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

1-METHOXY-2-PROPANOL

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 375 mg/m³(Sk)
Short-term exposure limit (15-minute): WEL 150 ppm(Sk) 560 mg/m³(Sk)

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. 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. To protect hands from chemicals, gloves should comply with European Standard EN374. 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. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

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: Organic vapour filter. Gas filter, type A2. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Clear liquid.

Odour
Characteristic.

pH
Not determined.
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Melting point  
Not determined.

Initial boiling point and range  
120.1°C @

Flash point  
32.7°C PMCC (Pensky-Martens closed cup).

Evaporation rate  
<1

Upper/lower flammability or explosive limits  
Lower flammable/explosive limit: 1.5 Upper flammable/explosive limit: 10.9

Vapour pressure  
8 mm Hg @ °C

Vapour density  
3.12

Relative density  
0.922 @ °C

Auto-ignition temperature  
Not determined.

9.2. Other information  
Volatile organic compound  
This product contains a maximum VOC content of 924 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity  
Reactivity  
The following materials may react with the product: Strong oxidising agents. Strong alkalis. Reacts violently with strong acids.

10.2. Chemical stability  
Stability  
Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions  
Possibility of hazardous reactions  
Not available. No potentially hazardous reactions known.

10.4. Conditions to avoid  
Conditions to avoid  
Avoid heat. Avoid contact with the following materials: Strong oxidising agents. Avoid contact with acids and alkalis.

10.5. Incompatible materials  
Materials to avoid  

10.6. Hazardous decomposition products  
Hazardous decomposition products  
Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects  
General information  
Vapours may cause drowsiness and dizziness. May cause harm to the unborn child.

Inhalation  
Vapour from this product may be hazardous by inhalation. Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Headache. Dizziness. Drowsiness.

Ingestion  
May cause discomfort if swallowed. Gastrointestinal symptoms, including upset stomach.

Skin contact  
Repeated exposure may cause skin dryness or cracking.
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Eye contact
Irritation of eyes and mucous membranes. Repeated exposure may cause chronic eye irritation.

Acute and chronic health hazards
Prolonged or repeated exposure may cause severe irritation. Prolonged contact may cause dryness of the skin. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Nausea, vomiting, Headache.

Route of entry
Inhalation Ingestion. Skin and/or eye contact

SECTION 12: Ecological Information

Ecotoxicity
There are no data on the ecotoxicity of this product.

12.1. Toxicity
Toxicity
Not determined.

12.2. Persistence and degradability
Persistence and degradability
Not specified.

12.3. Bioaccumulative potential
Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil
Mobility
Not specified.

12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects
Other adverse effects
Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
General information
Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number
UN No. (ADR/RID) 1993
UN No. (IMDG) 1993
UN No. (ICAO) 1993

14.2. UN proper shipping name
Proper shipping name
(ADR/RID) FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROPANOL, 2-METHOXYPROPAOL)
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Proper shipping name (IMDG)  FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROpanol, 2-METHOXYPROpanol)
Proper shipping name (ICAO)  FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROpanol, 2-METHOXYPROpanol)
Proper shipping name (ADN)  FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROpanol, 2-METHOXYPROpanol)

14.3. Transport hazard class(es)
ADR/RID class  3
ADR/RID label  3
IMDG class  3
ICAO class/division  3

Transport labels

14.4. Packing group
ADR/RID packing group  III
IMDG packing group  III
ICAO packing group  III

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
EmS  F-E, S-E
Emergency Action Code  •3Y
Hazard Identification Number (ADR/RID)  30
Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date  06/04/2018
Revision  4
Supersedes date  03/05/2016
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Hazard statements in full
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
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.