# SAFETY DATA SHEET
## DEVWELD 530 ADHESIVE

### 1. Identification

**Product identifier**

**Product name**  
DEVWELD 530 ADHESIVE

**Recommended use of the chemical and restrictions on use**

**Application**  
Adhesive.

**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. 2 - H225

**Health hazards**  
Skin Irrit. 2 - H315  
Skin Sens. 1 - H317  
STOT SE 3 - H335

**Environmental hazards**  
Not Classified

**Label elements**

**Pictogram**

| Flame | Exclamation |

**Signal word**  
Danger

**Hazard statements**

H225 Highly flammable liquid and vapor.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.
## 3. Composition/information on ingredients

### Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYL METHACRYLATE</td>
<td>80-62-6</td>
<td>30-60%</td>
</tr>
<tr>
<td>METHACRYLIC ACID</td>
<td>79-41-4</td>
<td>5-10%</td>
</tr>
</tbody>
</table>

#### Classification

<table>
<thead>
<tr>
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<th>Classification</th>
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</thead>
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<tr>
<td>METHYL METHACRYLATE</td>
<td>80-62-6</td>
<td>Flam. Liq. 2 - H225</td>
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<td></td>
<td>Skin Irr. 2 - H315</td>
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<tr>
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<td></td>
<td>Skin Sens. 1 - H317</td>
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<tr>
<td></td>
<td></td>
<td>STOT SE 3 - H335</td>
</tr>
<tr>
<td>METHACRYLIC ACID</td>
<td>79-41-4</td>
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<td></td>
<td></td>
<td>Acute Tox. 4 - H312</td>
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<tr>
<td></td>
<td></td>
<td>Skin Corr. 1A - H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Eye Dam. 1 - H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STOT SE 3 - H335</td>
</tr>
</tbody>
</table>

The full text for all hazard statements is displayed in Section 16.
## 4. First-aid measures

### Description of first aid measures

#### General information
Avoid contact with skin and eyes. Do not breathe vapor/spray. 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. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.

#### Ingestion
Do not induce vomiting. Give plenty of water to drink. Get medical attention.

#### Skin Contact
Remove affected person from source of contamination. Wash skin thoroughly 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. 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.

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

#### Notes for the doctor
No specific recommendations. If in doubt, get medical attention promptly.

## 5. Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media
Extinguish with foam, carbon dioxide or dry powder.

### Special hazards arising from the substance or mixture

#### Specific hazards
Highly flammable. Avoid breathing fire gases or vapors. Vapors are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Polymerizes easily with evolution of heat.

### Advice for firefighters

#### Protective actions during firefighting
Keep up-wind to avoid fumes. Do not use water jet as an extinguisher, as this will spread the fire. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

#### 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
Highly flammable Warn everybody of potential hazards and evacuate if necessary. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of spray mist and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.

#### Environmental precautions

#### Environmental precautions
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.

### Methods and material for containment and cleaning up


DEVWELD 530 ADHESIVE

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
For personal protection, see Section 8. For waste disposal, see section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions
Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. Avoid contact with skin and eyes. Take precautionary measures against static discharges. Storage tanks and other containers must be grounded. No smoking, sparks, flames or other sources of ignition near spillage. 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. Store away from incompatible materials (see Section 10).

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
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. 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: Rubber or plastic. 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 apron or protective clothing in case of contact.

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. Change work clothing daily before leaving workplace.
DEVWELD 530 ADHESIVE

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 vapor filter. 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Paste</td>
</tr>
<tr>
<td>Color</td>
<td>White/off-white</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight pungent</td>
</tr>
<tr>
<td>pH (diluted solution)</td>
<td>300-3.5 5%</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>101°C @</td>
</tr>
<tr>
<td>Flash point</td>
<td>10°C TCC (Tag closed cup)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>3 (butyl acetate =1)</td>
</tr>
<tr>
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<td>Upper flammable/explosive limit: 12.5 Lower flammable/explosive limit: 2.1</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>28 mmHg @ °C</td>
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<tr>
<td>Vapor density</td>
<td>&gt;1</td>
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<tr>
<td>Relative density</td>
<td>1.03 @ 20 °C</td>
</tr>
<tr>
<td>Viscosity</td>
<td>40,000-60,000 cP @ 25°C</td>
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<tr>
<td>Other information</td>
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</table>

10. Stability and reactivity

Reactivity
The following materials may react with the product: Strong oxidizing agents. Strong reducing agents.

Stability
Stable at normal ambient temperatures and when used as recommended. May polymerize.

Possibility of hazardous reactions
May polymerize.

Conditions to avoid
Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight. Heating may generate flammable vapors. Vapors may form explosive mixtures with air.

Materials to avoid

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

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

5/8
DEVWELD 530 ADHESIVE

ATE oral (mg/kg) 10,000.0

Acute toxicity - dermal
ATE dermal (mg/kg) 22,000.0

Acute toxicity - inhalation
ATE inhalation (gases ppm) 106,060.61
ATE inhalation (vapours mg/l) 454.55
ATE inhalation (dusts/mists mg/l) 75.76

Inhalation
Vapors in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Vapors in high concentrations are anesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.

Ingestion
Irritating. Symptoms following overexposure may include the following: Nausea, vomiting. Stomach pain.

Skin Contact
May be absorbed through the skin. Irritating to skin. Prolonged or repeated exposure may cause severe irritation. May cause sensitisation by skin contact. May cause sensitization or allergic reactions in sensitive individuals.

Eye contact
Irritating to eyes. A single exposure may cause the following adverse effects: Corneal damage.

Target Organs
Prolonged or repeated exposure may cause the following adverse effects: May cause damage to the liver and kidneys. Central nervous system Respiratory system, lungs

12. Ecological Information

Ecotoxicity
Avoid release to the environment.

Toxicity
Not considered toxic to fish.

Persistence and degradability
Methyl methacrylate monomer: Biochemical oxygen demand within 5 days (BOD5) = .14 g/g - 0.9 g/g.

Bioaccumulative potential
Methyl methacrylate monomer: LC50/96h/fathead minnows = 150 ppm, LC50/96h/bluegill sunfish = 232ppm. Methyl methacrylate monomer: LC50/96h/rainbow trout = >79mg/l

Mobility in soil
Do not discharge into drains or watercourses or onto the ground.

Other adverse effects
Not available.

13. Disposal considerations

Waste treatment methods
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.
DEVWELD 530 ADHESIVE

### 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 09

### 14. Transport information

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<th>General</th>
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<td>UN No. (IMDG)</td>
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<td>UN No. (ICAO)</td>
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<td>F-E, S-D</td>
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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information required.
## DEVWELD 530 ADHESIVE

### 15. Regulatory information

### 16. Other information

<table>
<thead>
<tr>
<th>Revision date</th>
<th>3/8/2018</th>
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<tr>
<td>Revision</td>
<td>11</td>
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<tr>
<td>Supersedes date</td>
<td>5/3/2016</td>
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</table>

**Hazard statements in full**

- H225 Highly flammable liquid and vapor.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.

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.