SAFETY DATA SHEET
PVA MOULD RELEASE AGENT

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name: PVA Mould Release Agent
Company: Easy Composites Ltd
Unit 39
Park Hall Business Village
Longton, Stoke-on-Trent
ST3 5XA
United Kingdom

Email: sales@easycomposites.co.uk
Telephone: +44 (0)1782 454499

Intended Use: As a mould release/parting agent for use when fabricating mouldings in composites layups.

2. HAZARDS IDENTIFICATION

Main hazards:
- Harmful
- Flammable

Risk Phrases:
- R11 Highly flammable
- R36 Irritating to eyes.
- R67 Vapours may cause drowsiness and dizziness.

Safety Phrases:
- S9 Keep container in a well-ventilated place.
- S16 Keep away from sources of ignition - No smoking.
- S23 Do not breathe vapour/spray.
- S25 Avoid contact with eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S51 Use only in well-ventilated areas.
- S60 This material and its container must be disposed of as hazardous waste.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Concentration</th>
<th>EC No.:</th>
<th>CAS</th>
<th>CAS Symbols/Risk phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPAN-2-OL</td>
<td>36-50%</td>
<td>200-661-7</td>
<td>64-17-5</td>
<td>F (R11), Xi;R36, R67</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General information
NOTE! Keep affected person away from heat, sparks and flames!
Remove victim immediately from source of exposure. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Skin contact
Remove victim immediately from source of exposure. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

Eye contact
Remove victim immediately from source of exposure. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.
Inhalation  Remove victim immediately from source of exposure. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion  DO NOT induce vomiting. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Extinguishing media  Extinguish with foam, carbon dioxide, dry powder or water fog. Water spray should be used to cool containers. Do not use water jet, as this will spread the fire.

Hazardous combustion products  None under normal conditions.

Protective equipment  Suitable breathing apparatus may be required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions  Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke, use open fire or other sources of ignition.

Environmental precautions  Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

Clean up methods  Absorb in vermiculite, dry sand or earth and place into containers.

7. HANDLING AND STORAGE

Handling  Avoid spilling, skin and eye contact. Do not use in confined spaces without adequate ventilation and/or respirator.

Storage  Keep containers tightly closed. Keep in original container. Keep away from food, drink and animal feeding stuffs. Keep away from heat, sparks and open flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Occupational Exposure Limits</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPAN-2-OL</td>
<td>WEL</td>
<td>400 ppm</td>
<td>999 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>500 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1250 mg/m3</td>
</tr>
</tbody>
</table>

Engineering measures  Provide adequate general and local exhaust ventilation.

Respiratory protection  Wear suitable respiratory protection.

Hand protection  Wear protective gloves.

Eye protection  Wear approved safety goggles.

Other Protection  Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures  Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Description</th>
<th>Liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Blue (RA10, RA12)</td>
</tr>
<tr>
<td>Odour</td>
<td>Alcool</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>82°C</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.94-0.96</td>
</tr>
<tr>
<td>Vapour density (air=1)</td>
<td>2.1</td>
</tr>
<tr>
<td>Viscosity</td>
<td>FORD CUP 4 35-40 s 20°C</td>
</tr>
<tr>
<td>Flash point</td>
<td>22°C</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY
Reactivity
No specific reactivity hazards associated with this product.
Chemical stability
Stable under normal temperature conditions and recommended use.
Conditions to avoid
Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.
Incompatible materials
No specific, or groups of materials are likely to react to produce a hazardous situation
Hazardous decomposition products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11. TOXICOLOGICAL INFORMATION
Toxicological information
No information available.
Inhalation
Harmful by inhalation.
Ingestion
May cause internal injury.
Skin
Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
Eyes
Irritating to eyes.

12. ECOLOGICAL INFORMATION
Ecotoxicity
The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Toxicity
NOT APPLICABLE
Persistence and degradability
NO DATA AVAILABLE
Bioaccumulative potential
The product is not bioaccumulating.
Mobility in soil
The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

13. DISPOSAL CONSIDERATIONS
General information
Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.
Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION
Classification for transport
FLAMMABLE LIQUID.
Proper Shipping Name
PAINT OR PAINT RELATED MATERIAL
ADR/RID
UN 1263 Packing group II
Class 3 EAC 3YE
IMDG
UN 1263    Packing group II
Class 3    Marine pollutant: NO
EmS Code 3-05

15. REGULATORY INFORMATION

Uk Regulatory References  Chemicals (Hazard Information & Packaging) Regulations
Approved Code Of Practice  Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes  Workplace Exposure Limits EH40.
Chemical Safety Assessment  A chemical safety assessment has been carried out.

16. OTHER INFORMATION

Risk Phrases In Full  R11 Highly flammable
                     R36 Irritating to eyes.
                     R67 Vapours may cause drowsiness and dizziness.
Hazard Statements In Full  H319 Causes serious eye irritation.
                           H225 Highly flammable liquid and vapour.
                           H336 May cause drowsiness or dizziness.
Further information  The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.