SAFETY DATA SHEET
Devcon Tru-Bond PSA 4500

According to Regulation GB/T 16483-2008 and GB/T 17519-2013

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name Devcon Tru-Bond PSA 4500
Product No. 18429, 18450, 18453

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Adhesive.
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 (Wujiang) Co. Ltd.
No. 4680 North Pangjin Road
Economic Development Zone
Wujiang, Jiangsu, China
Telephone: (+86) 512-63488388
Fax: (+86) 512-63091890
E-mail Address: info@itwppfchina.com

Contact Person ITW Performance Polymers (Wujiang) Co. Ltd.

1.4. Emergency telephone number
For emergencies in the US, call CHEMTREC: 800-424-9300
National Emergency Telephone Number
(+86) 532-83889090 (24H)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical and Chemical Hazards Not classified.
Human health Skin Irrit. 2 – H315; Eye Irrit. 2 – H319; STOT SE 3 – H335
Environment Aquatic Chronic 2 – H411

Human health
Irritating. Potential Sensitizer.
Environment
Contains a substance which causes risk of hazardous effects to the environment.
Physical and Chemical Hazards
Sealed containers at elevated temperatures may rupture explosively and spread fire due to polymerization.

2.2. Label elements
Label In Accordance With (EC) No. 1272/2008

Signal Word Warning
Hazard Statements
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.
**Devcon Tru-Bond PSA 4500**

### Precautionary Statements

- **P271** Use only outdoors or in a well-ventilated area.
- **P273** Avoid release to the environment.
- **P280** Wear protective gloves/protective clothing/eye protection/face protection.
- **P305+351+338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P313** Get medical advice/attention.
- **P501** Dispose of contents/container to...

### Supplementary Precautionary Statements

- **P261** Avoid breathing vapour/spray.
- **P264** Wash contaminated skin thoroughly after handling.
- **P321** Specific treatment (see medical advice on this label).
- **P305+351+338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P313** Get medical advice/attention.
- **P312** Call a POISON CENTER or doctor/physician if you feel unwell.

### 2.3. Other hazards

No other hazards.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Urethane Acrylate Oligomer</th>
<th>30–60%</th>
</tr>
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<tbody>
<tr>
<td>CAS-No.: Proprietary</td>
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<table>
<thead>
<tr>
<th>Classification (EC 1272/2008)</th>
<th>Classification (67/548/EEC)</th>
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</thead>
<tbody>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td>Xi;R36/37/38.</td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td>N;R51/38.</td>
</tr>
<tr>
<td>STOT SE 3 - H335</td>
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</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
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</table>

<table>
<thead>
<tr>
<th>Acrylate Monomer</th>
<th>10–30%</th>
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<tr>
<td>CAS-No.: 5888-33-5</td>
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<th>Classification (EC 1272/2008)</th>
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<tr>
<td>Skin Irrit. 2 - H315</td>
<td>Xi;R36/37/38.</td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td>N;R51/38.</td>
</tr>
<tr>
<td>STOT SE 3 - H335</td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>High Boiling (Meth)acrylate Monomers</th>
<th>10–30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS-No.: Proprietary</td>
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</tr>
</tbody>
</table>

<table>
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<tr>
<th>Classification (EC 1272/2008)</th>
<th>Classification (67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 - H302</td>
<td>Xn;R22.</td>
</tr>
<tr>
<td>Aquatic Acute 1 - H400</td>
<td>N;R50/53.</td>
</tr>
<tr>
<td>Aquatic Chronic 1 - H410</td>
<td></td>
</tr>
</tbody>
</table>
4.1. Description of first aid measures

General information
Get medical attention if any discomfort continues.

Inhalation
If INHALED: Remove person to fresh air and keep comfortable for breathing. If respiratory problems, artificial respiration/oxygen. Call a POISON CENTER or doctor.

Ingestion
If SWALLOWED: DO NOT induce vomiting. Call a POISON CENTER or doctor Never give anything by mouth to an unconscious person.

Skin contact
If ON SKIN: Take off contaminated clothing. Wash with plenty of water several minutes. If skin irritation occurs: Get medical advice/attention.

Eye contact
If IN EYES: Hold eyelids apart. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

General information
The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation
May cause severe respiratory system irritation. High concentration may cause dizziness, headache, and anesthetic effects. May cause respiratory sensitization with asthma-like symptioms in susceptible individuals. Ingestion

Skin contact
Can cause skin irritation. Itching, redness, rashes, hives, burning, and swelling. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

Eye contact
Can cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury.

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

Treatment should be controlled by symptoms and clinical conditions.

5.1. Extinguishing media

Extinguishing media
Extinguish with carbon dioxide or dry powder.

Unsuitable extinguishing media
Avoid water in straight hose stream, which will scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
Not determined.

Unusual Fire & Explosion Hazards
Sealed containers at elevated temperatures may rupture explosively and spread fire due to polymerization.

5.3. Advice for firefighters
Devcon Tru-Bond PSA 4500

Special Fire Fighting Procedures
Evacuate area of unprotected personnel. Fight advanced or massive fires from safe distance or protected location. Use water to keep fire exposed containers cool and disperse vapours. Keep run-off water out of sewers and water sources. Dike for water control. Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire. Extinguish at a up wind place.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
For personal protection, see section 8. Avoid inhalation of vapours and aerosol spray. Avoid contact with skin and eyes. Follow precautions for safe handling described in this safety data sheet.

6.2. Environmental precautions
The product belongs to water pollutant. Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up
Well ventilated and well protected.
【1】Small Spillages: Collect the spillages into a closed container. Absorb with inert, damp, non-combustible material, then transit to a safety place.
【2】Large Spillages: Stop the flow of material if this is without risk. Dike the spilled material. Cover with plastic sheet to prevent spreading. Pump or shovel to storage or salvage vessels. Prevent entry into waterways, sewer, basements or confined areas.
【3】Other Precautions: Add inhibitor to prevent polymerization.

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

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Provide good ventilation. Avoid breathing vapor, aerosol or mist. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well ventilated area. Keep away from sources of heat and incompatible materials. Keep container tightly sealed when not in use.

7.3. 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

8.2. Exposure controls
Protective equipment

Process conditions
Provide eyewash, quick drench.

Engineering measures
Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment
Wear respiratory protection with combination filter at high concentration. At emergency, respiratory protection with air supply must be use.

Hand protection
Impervious gloves (Neoprene, latex, polypropylene or chloroprene).

Eye protection
Wear tight-fitting goggles or face shield.
Other Protection
Provide eyewash, quick drench.
Hygiene measures
Wash thoroughly after handling. Form a good habit.
Personal protection
People unprotected as required are not allowed into the work area.
Skin protection
Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls
Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless to pale yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Distinctive</td>
</tr>
<tr>
<td>Solubility</td>
<td>Partially Insoluble</td>
</tr>
<tr>
<td>Initial boiling point and boiling range (°C)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.07 25℃</td>
</tr>
<tr>
<td>Vapour density (air=1)</td>
<td>&gt;1</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>0.01 mm Hg 20 ℃</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt;1</td>
</tr>
<tr>
<td>pH-Value, Diluted Solution</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition temperature (°C)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td>&gt;100 ℃ Sh CC (Setaflash closed cup).</td>
</tr>
<tr>
<td>Auto Ignition Temperature (°C)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability Limit - Lower(%)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability Limit - Upper(%)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

9.2. Other information

No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal temperature and pressure conditions.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation
Polymerization may occur under certain conditions.
Polymerisation Description
Polymerizes generating heat.

10.4. Conditions to avoid
Devcon Tru-Bond PSA 4500


10.5. Incompatible materials

Materials To Avoid
Oxidizing agents (e.g., peroxides, nitrates). Reducing agents. Acid. Bases. Azo-compounds. Catalytic metals (e.g., copper, iron). Free radical initiators. Oxygen scavengers.

10.6. Hazardous decomposition products

Not determined.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Health Warnings
Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.

Route of entry
Eyes. Skin. Inhalation. Ingestion.

Target Organs
Eyes. Skin. Respiratory system. Digestive system.

Medical Symptoms
Overexposure can cause headaches, dizziness, nausea, and vomiting.

Specific effects
Individuals with pre-existing skin disorders, asthma, or known sensitization may be more susceptible to the effects of this product.

SECTION 12: ECOLOGICAL INFORMATION

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

12.1. Toxicity

No related data.

12.2. Persistence and degradability

No information.

12.3. Bioaccumulative potential

Bioaccumulative potential
No data available on bioaccumulation.
Partition coefficient
Not determined.

12.4. Mobility in soil

Mobility:
no reports available

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

No information required.

SECTION 13: DISPOSAL CONSIDERATIONS

General information
Read the legal and other requirements before disposing of the waste.

13.1. Waste treatment methods
Devcon Tru-Bond PSA 4500

1. Waste from residues or unused products:
   Recycling as much as possible. If not be recycled, arrange disposal of residual chemicals and contaminated containers in accordance to the state and local regulations. Do not employ the disposal method by discharging into the sewer.

2. Contaminated Packaging:
   Do not reuse containers without proper cleaning or reconditioning. The container shall be returned to the manufacturer or disposed of in accordance with state and local guidelines.

3. Precaution When Disposal:
   Safety precautions of disposal, see section 8. The product shall be treated as hazardous waste even if it is discarded on the condition not used or contaminated.

SECTION 14: TRANSPORT INFORMATION

General
Read safety instructions, SDS and emergency procedures before handling.

14.1. UN number
3082

14.2. UN proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S

14.3. Transport hazard class(es)
9

14.4. Packing group
III

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant

14.6. Special precautions for user
Read safety instructions, SDS and emergency procedures before handling.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
No information required.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Legislation
  【1】Regulation (EC) No 1272/2008 - classification, labelling and packaging of substances and mixtures
  【2】Regulation (EC) No 1907/2006 - REACH
  【3】TOXIC SUBSTANCES CONTROL ACT
Devcon Tru-Bond PSA 4500

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

【1】MAC: Maximum Allowable Concentration.
【2】TLV: Threshold Limit Value.
【3】PC-TWA: Permissible Concentration-Time Weighted Average.
【4】PC-STEL: Permissible Concentration-Short Term Exposure Limit.
【5】IARC: International Agency for Research on Cancer.
【6】ACGIH: American Conference of Governmental Industrial Hygienists.

General information
Only trained personnel should use this material.
Information Sources

【1】Source for PHYSICAL HAZARDS:
International Chemical Safety Cards, ICSCs, http://www.ilo.org/dyn/icsc/showcard.home
CAMEO Chemicals, http://cameochemicals.noaa.gov/

【2】Source for HEALTH HAZARDS:
Concise International Chemical Assessment Documents, CICADs, http://www.inchem.org/pages/cicads.html

【3】Source for ENVIRONMENTAL HAZARDS:

Revision Comments
Section 2-HAZARDS IDENTIFICATION, add GHS classification and pictogram
Issued By ITW Performance Polymers (Wujiang) Co. Ltd.
Revision Date 14/04/2015
Revision 1
Date 01/06/2015
Signature ITW Performance Polymers (Wujiang) Co. Ltd.

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