SAFETY DATA SHEET
Devcon Tru-Bond PB 3500

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 PB 3500
Product No.: 18205, 18206

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 3 - H412

Human health
Irritating. Allergic reactions are possible.

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.
H412: Harmful to aquatic life with long lasting effects.
Precautionary Statements

P271 Use only outdoors or in a well-ventilated area.
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

P273 Avoid release to the environment.
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.
P332+313 If skin irritation occurs: Get medical advice/attention.
P337 If eye irritation persists:
P362 Take off contaminated clothing and wash before reuse.
P405 Store locked up.
P403+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>Trade Secret</th>
<th>Acrylate Monomer</th>
<th>Urethane Acrylate Oligomer</th>
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<tbody>
<tr>
<td>CAS-No.: Proprietary</td>
<td>CAS-No.: 5888-33-5</td>
<td>CAS-No.:</td>
</tr>
<tr>
<td>Acrylate Monomer 10-30%</td>
<td>Classification (EC 1272/2008)</td>
<td>Classification (EC 1272/2008)</td>
</tr>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td>Eye Irrit. 2 - H319</td>
<td>STOT SE 3 - H335</td>
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<tr>
<td>Aquatic Chronic 2 - H411</td>
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<td>Xi;R36/37/38.</td>
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<td></td>
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<td>N;R51/53.</td>
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</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

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 symptoms in susceptible individuals.

Ingestion
Cause irritation. A burning sensation of the mouth, throat and gastrointestinal tract. Abdominal pain.

Skin contact
Can cause skin irritation. Itching, redness, rashes, hives, burning, and swelling. Allergic reactions are possible.

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
Effects can be delayed 24 to 48 hours.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Extinguish 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
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.

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
Use protective gloves, goggles and suitable protective clothing. Avoid contact with skin and eyes. Avoid inhalation of vapours and aerosol spray. 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.
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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, dry, 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 inhalation of vapours and spray mists. Avoid contact with skin and eyes. Wash thoroughly after handling.

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
Use suitable protective gloves if risk of skin contact.
Eye protection
Wear goggles/face shield.
Other Protection
Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures
Wash thoroughly after handling.
Personal protection
People unprotected as required are not allowed into the work area.
Skin protection
Wear apron or protective clothing in case of contact.
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

Appearance  Viscous liquid.
Colour      Clear
Odour       Characteristic.
Solubility  Soluble in ketones and oxygenated solvents.

Initial boiling point and boiling range (°C)
Not determined.

Melting point (°C)
Not determined.

Relative density  1 25 °C
Vapour density (air=1) >1 (Air = 1)
Vapour pressure  0.01 mm Hg 20 °C
Evaporation rate  <1 (Butyl acetate = 1)
Evaporation Factor <0.5
pH-Value, Diluted Solution
Not determined.

Decomposition temperature (°C)
Not determined.
Flash point (° C) >100 °C Sh CC (Setaflash closed cup).
Auto Ignition Temperature (° C)
Not determined.

10.1. Reactivity
No information.

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.

10.4. Conditions to avoid

10.5. Incompatible materials
Materials To Avoid

10.6. Hazardous decomposition products
Not determined.
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11.1. Information on toxicological effects

Health Warnings
Prolonged skin contact may lead to burning associated with severe redding, 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

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

14.1. UN number
No information required.

14.2. UN proper shipping name
No information required.

14.3. Transport hazard class(es)
No information required.

14.4. Packing group
No information required.

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant No.

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
【4】International Maritime Dangerous Goods Code
Health and Environmental Listings
【1】Law of the People’s Republic of China on Prevention and Control of Occupational Diseases
【2】Measures for Environmental Management of New Chemical Substances
【3】National Catalogue of Hazardous Waste
【4】Occupational exposure limits for hazardous agents in the workplace—Chemical hazardous agents.

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
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CAMEO Chemicals, http://cameochemicals.noaa.gov/

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

Source for ENVIRONMENTAL HAZARDS:
OECD, SIDS http://www.chem.unep.ch/irptc/sids/OECDSID/Sidspub.html

Revision Comments
Section 2-HAZARDS IDENTIFICATION, add GHS classification and pictogram
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Revision 1
Safety Data Sheet Status Approved.
Date 2014-12-23
Signature ITW Performance & Polymers WJ

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