

# 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.

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## 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. Get medical advice/attention.
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).
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.
P391	Collect spillage.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

## 2.3. Other hazards

No other hazards.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Urethane Acrylate Oligomer	30-60%
CAS-No.: Proprietary	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xi;R36/37/38. N;R51/53.
Acrylate Monomer	10-30%
CAS-No.: 5888-33-5	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xi;R36/37/38. N;R51/53.
High Boiling (Meth)acrylate Monomers	10-30%
CAS-No.: Proprietary	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R22. N;R50/53.

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Photoinitiator System		1-5%
CAS-No. : 75980-60-8		
Classification (EC 1272/2008) Repr. 2 - H361f Aquatic Chronic 3 - H412	Classification (67/548/EEC) Repr. Cat. 3;R62. R52/53.	

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. 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.

## SECTION 5: FIREFIGHTING MEASURES

### 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

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## 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.

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## 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

Appearance	Viscous liquid.
Colour	Colourless to pale yellow.
Odour	Distinctive.
Solubility	Partially Insoluble.
Initial boiling point and boiling range (° C)	
Not determined.	
Melting point (° C)	
Not determined.	
Relative density	1.07 25°C
Vapour density (air=1)	>1
Vapour pressure	0.01 mm Hg 20 °C
Evaporation rate	<1
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.	
Flammability Limit - Lower(%)	
Not determined.	
Flammability Limit - Upper(%)	
Not determined.	
Partition Coefficient (N-Octanol/Water)	
Not determined.	

### 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

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Extreme heat, spark, and open flame. Incompatible materials. Oxidizers. Oxidizing conditions. Oxygen-free atmospheres. Inert gas blanketing. Freezing conditions. Material can soften paint and rubber.

## **10.5. Incompatible materials**

Materials To Avoid

Oxidizing agents(eg peroxides, nitrates). Reducing agents. Acid. Bases. Azo-compounds. Catalytic metals(eg 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 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 detemined.

### **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**

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**【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

Transport Labels



### 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

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【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>

International Uniform Chemical Information Database, IUCLID, <http://esis.jrc.ec.europa.eu/>

NIOSH Pocket Guide to Chemical Hazards, <http://www.cdc.gov/niosh/npg>

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

【2】 Source for HEALTH HAZARDS:

Environmental Health Criteria, EHC, <http://www.inchem.org/pages/ehc.html>

Concise International Chemical Assessment Documents, CICADs, <http://www.inchem.org/pages/cicads.html>

SIDS Initial Assessment Report, SIDS Report, <http://www.chem.unep.ch/irptc/sids/OECD/SIDS/sidspub.html>

International Agency for Research on Cancer, IARC, <http://monographs.iarc.fr/>

【3】 Source for ENVIRONMENTAL HAZARDS:

OECD: SIDS <http://www.chem.unep.ch/irptc/sids/OECD/SIDS/sidspub.html>

WHO/IPCS: EHC <http://www.inchem.org/pages/ehc.html>

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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