SAFETY DATA SHEET
Devcon Tru-Bond LOCA 5000

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 LOCA 5000
Product No. 18174, 18175

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
Wujing, 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; Skin Sens. 1 - H317; 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.
H317 May cause an allergic skin reaction.
# SDS Document for Devcon Tru-Bond LOCA 5000

## Report Date
21/10/2016

## SDS No.
10587

## Devcon Tru-Bond LOCA 5000

**H319** Causes serious eye irritation.

**H335** May cause respiratory irritation.

**H411** Toxic to aquatic life with long lasting effects.

### 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.

### Supplementary Precautionary Statements

- **P272** Contaminated work clothing should not be allowed out of the workplace.
- **P261** Avoid breathing vapour/spray.
- **P264** Wash contaminated skin thoroughly after handling.
- **P321** Specific treatment (see medical advice on this label).
- **P302+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.
- **P333+313** If skin irritation or rash occurs: Get medical advice/attention.
- **P337** If eye irritation persists:
- **P362** Take off contaminated clothing and wash before reuse.
- **P363** Wash contaminated clothing 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

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<th>Polyurethane Acrylate</th>
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<td>Aquatic Chronic 2 – H411</td>
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**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.
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. Be on fire 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
**Devcon Tru-Bond LOCA 5000**

**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.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### 9.1. Information on basic physical and chemical properties

- **Appearance**: Viscous liquid.
- **Colour**: Colourless.
- **Odour**: Distinctive.
- **Solubility**: Not determined.
- **Initial boiling point and boiling range (°C)**: Not determined.
- **Melting point (°C)**: Not determined.
- **Relative density**: 0.96 20℃
- **Vapour density (air=1)**: >1(Air=1)
- **Vapour pressure**: 0.01 mm Hg 20 ℃
- **Evaporation rate**: Not determined.
- **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.

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**SECTION 10: STABILITY AND REACTIVITY**

### 10.1. Reactivity

No data available.
Devcon Tru-Bond LOCA 5000

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
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 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.

SECTION 14: TRANSPORT INFORMATION

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

14.1. UN number
UN No. (ADR/RID/ADN) 3082
UN No. (IMDG) 3082
UN No. (ICAO) 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.
Devcon Tru-Bond LOCA 5000

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
CAMEO Chemicals, http://cameochemicals.noaa.gov/
Concise International Chemical Assessment Documents, CICADs, http://www.inchem.org/pages/cicads.html

【3】Source for ENVIRONMENTAL HAZARDS:

【2】Source for HEALTH 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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