



# SAFETY DATA SHEET

## CONLIFT BONDBREAKER WATER BASED

Infosafe No.: LPYD9  
Version No.: 1.0  
ISSUED Date: 27/10/2014  
ISSUED BY Parchem Construction  
Supplies Pty Ltd

CLASSIFIED AS HAZARDOUS

### 1. IDENTIFICATION

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#### GHS Product Identifier

CONLIFT BONDBREAKER WATER BASED

#### Product Code

#### Company Name

Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)

#### Address

7 Lucca Road Wyong  
NSW 2259 Australia

#### Telephone/Fax Number

Tel: 02 4350 5000  
Fax: 02 4351 2024

#### Emergency phone number

1800 638 556 (available 24/7)

#### Recommended use of the chemical and restrictions on use

Used as a cure and bondbreaker in tilt-up, lift slab and precast concrete construction.

#### Other Information

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Parchem Construction Supplies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

[www.parchem.com.au](http://www.parchem.com.au)

## 2. HAZARD IDENTIFICATION

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### GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Eye Damage/Irritation: Category 2A

Skin Corrosion/Irritation: Category 2

### Signal Word (s)

WARNING

### Hazard Statement (s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

### Pictogram (s)

Exclamation mark



### Precautionary statement – Prevention

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary statement – Response

EYE

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

SKIN

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before re-use.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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## Ingredients

| Name   | CAS       | Proportion |
|--|-----------|------------|
| Xylene   | 1330-20-7 | <5 %       |
| Butan-1-ol                                       | 71-36-3   | <3 %       |
| Ethylbenzene                                     | 100-41-4  | <0.9 %     |
| Hydrotreated Light Distillate                    |           | Unknown %  |
| Solvent Naphtha                                  |           | Unknown %  |
| Butene, homopolymer                              |           | Unknown %  |
| Other ingredients determined not to be hazardous |           | Balance    |

## 4. FIRST-AID MEASURES

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### Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

### Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

### Skin

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

### Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

### First Aid Facilities

Eye wash station, safety shower and normal washroom facilities.

### Advice to Doctor

Treat symptomatically.

### Other Information

For advice in an emergency, contact a Poisons Information Centre (Phone 131 126 in Australia) or a doctor at once.

## 5. FIRE-FIGHTING MEASURES

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### Suitable Extinguishing Media

Use carbon dioxide, dry chemical or foam.

### Unsuitable Extinguishing Media

Do not use water jet.

### **Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

### **Specific Hazards Arising From The Chemical**

Does not sustain combustion.

### **Decomposition Temperature**

Not available

### **Precautions in connection with Fire**

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed material. If safe to do so, remove containers from path of fire. Do not allow run-off from fire fighting to enter drains or water courses.

## **6. ACCIDENTAL RELEASE MEASURES**

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### **Emergency Procedures**

Spillage can be slippery. Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## **7. HANDLING AND STORAGE**

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### **Precautions for Safe Handling**

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

### **Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Safe Work, Australia Exposure Standards:

Xylene

TWA: 80 ppm

TWA: 350 mg/m<sup>3</sup>

STEL: 150 ppm

STEL: 655 mg/m<sup>3</sup>

Ethylbenzene

TWA: 100 ppm

TWA: 434 mg/m<sup>3</sup>

STEL: 125 ppm

STEL: 543 mg/m<sup>3</sup>

N-Butyl alcohol

TWA: 50 ppm

TWA: 152 mg/m<sup>3</sup>

STEL: - ppm

STEL: - mg/m<sup>3</sup>

Notices: Peak limitation, Sk

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

### Biological Limit Values

Name: Xylenes

Determinant: Methylhippuric acids

Specimen: Creatinine in urine.

Value: 1.5g/g

Sampling time: End of shift.

Name: Ethylbenzene

Determinant: Sum of mandelic acid and phenylglyoxylic acid.

Specimen: Creatinine in urine.

Value: 0.7 g/g

Sampling time: End of shift at end of work week.

Source: American Conference of Industrial Hygienists (ACGIH)

### **Appropriate Engineering Controls**

Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

### **Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### **Eye Protection**

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### **Hand Protection**

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### **Body Protection**

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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### **Appearance**

Liquid

### **Colour**

Milky

### **Odour**

Mild odour

### **Decomposition Temperature**

Not available

### **Melting Point**

Not available

### **Boiling Point**

94°C

### **Solubility in Water**

Miscible

### **pH**

Not available

**Vapour Pressure**

Not available

**Vapour Density (Air=1)**

Not available

**Evaporation Rate**

Not available

**Odour Threshold**

Not available

**Volatile Component**

VOC content: Less than 600 g/l

**Partition Coefficient: n-octanol/water**

Not available

**Density**

0.97 kg/l

**Flash Point**

35°C (Pensky-Martens Closed Cup)

**Flammability**

Flammable

**Auto-Ignition Temperature**

Not available

**Flammable Limits - Lower**

Not available

**Flammable Limits - Upper**

Not available

**Explosion Properties**

Not available

**Oxidising Properties**

Not available

**10. STABILITY AND REACTIVITY**

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**Reactivity**

Reacts with incompatible materials.

**Chemical Stability**

Stable under normal conditions of handling and storage.

**Conditions to Avoid**

Heat, direct sunlight, open flames or other sources of ignition. Avoid freezing.

**Incompatible materials**

Oxidising agents, strong acids and bases.

**Hazardous Decomposition Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including: carbon dioxide and carbon monoxide.

**Hazardous Polymerization**

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

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**Toxicology Information**

The available acute toxicity data for the ingredients is given below.

**Acute Toxicity - Oral**

Xylenes

LD50(rat): 4300 mg/kg

**Acute Toxicity - Inhalation**

Xylenes

LC50(rat): 47635 mg/l/4h

**Ingestion**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Inhalation**

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

**Skin**

Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

**Eye**

Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

**Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

**Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.



Xylene is listed as a Group 3: Not classifiable as to its carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

Ethylbenzene is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC).

#### **Reproductive Toxicity**

Not considered to be toxic to reproduction.

#### **STOT-single exposure**

Not expected to cause toxicity to a specific target organ.

#### **STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

#### **Aspiration Hazard**

Not expected to be an aspiration hazard.

## **12. ECOLOGICAL INFORMATION**

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#### **Ecotoxicity**

No ecological data available for this material. The available ecological data for the ingredients is given below:

#### **Persistence and degradability**

Not available

#### **Mobility**

Not available

#### **Bioaccumulative Potential**

Xylenes

BCF: 0.6-15

LogPow: 2.77 - 3.15

#### **Environmental Protection**

Do not discharge this material into waterways, drains and sewers.

#### **Acute Toxicity - Fish**

Xylene

LC50(Pimephales promelas [flow-through]): 13.4 mg/l/96h

LC50(Oncorhynchus mykiss [static]): 2.661 - 4.093 mg/l/96h

#### **Acute Toxicity - Daphnia**

Xylene

EC50 Daphnia(water flea): 3.82 mg/l/48 h

EC50 (Daphnia, Gammarus lacustris): 0.6 mg/l/48h

## **13. DISPOSAL CONSIDERATIONS**

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#### **Disposal considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

## 14. TRANSPORT INFORMATION

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### Transport Information

Not classified as Dangerous Goods for transport by road and rail.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

### U.N. Number

None Allocated

### UN proper shipping name

None Allocated

### Transport hazard class(es)

None Allocated

### IMDG Marine pollutant

No

## 15. REGULATORY INFORMATION

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### Regulatory information

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

### Poisons Schedule

Not Scheduled

### Australia (AICS)

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

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### Date of preparation or last revision of SDS

SDS Reviewed: October 2014

SDS Superseded: September 2009, July 2014

### References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.

**Contact Person/Point**

Technical Support: 1800 812 864

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**END OF SDS**

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