

## EZYLIFT BONDBREAKER

Infosafe No.: LQAHM  
ISSUED Date : 11/04/2021  
ISSUED by: NEXUS CONSTRUCTION  
SYSTEMS

### 1. IDENTIFICATION

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**GHS Product Identifier**

EZYLIFT BONDBREAKER

**Company Name**

NEXUS CONSTRUCTION SYSTEMS (ABN 76 005 928 987)

**Address**

UNIT 4 25-27 OLIVE GROVE KEYSBOROUGH  
VIC 3173 AUSTRALIA

**Telephone/Fax Number**

Tel: 03 9988 7701

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

Solvent-based tilt-up cure and bondbreaker.

### 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.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Flammable Liquids: Category 3

Carcinogenicity: Category 1

Eye Damage/Irritation: Category 1

STOT Single Exposure: Category 3 (narcotic)

STOT Single Exposure: Category 3 (respiratory tract irritation)

STOT Repeated Exposure: Category 2

Toxic to Reproduction: Category 1A

Skin Corrosion/Irritation: Category 2

Aspiration Hazard: Category 1

Acute Toxicity - Inhalation: Category 4

Hazardous to the Aquatic Environment - Long-Term Hazard: Category 3

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H350 May cause cancer.

H360 May damage fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

#### **Pictogram (s)**

Health hazard, Flame, Corrosion, Exclamation mark



#### **Precautionary statement – Prevention**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash contaminated skin thoroughly after handling.  
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.

#### **Precautionary statement – Response**

P308+P313 IF exposed or concerned: Get medical advice/attention.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331 Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P304+P340 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.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P370+P378 In case of fire: Use dry chemical, foam, carbon dioxide for extinction.

#### **Precautionary statement – Storage**

P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

#### **Precautionary statement – Disposal**

P501 Dispose of contents/container to an approved waste disposal plant.

#### **Other Information**

This product contains an Ototoxic substance.  
Combination with noise exposure, even at safe levels, could still cause auditory injuries and hearing loss.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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#### Ingredients

Name	CAS	Proportion
Hydrotreated Light Distillate		0-100 %
Alcohol	N/A	0-100 %
Toluene	108-88-3	<11 %
1,2,4-trimethyl benzene	95-63-6	<10 %
Xylene	1330-20-7	<10 %
cumene	98-82-8	<1 %
Ethylbenzene	100-41-4	<1 %
Ingredients determined not to be hazardous		Balance

### 4. FIRST-AID MEASURES

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#### Inhalation

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

#### Ingestion

Do NOT induce vomiting. Wash out mouth and lips with water. Where vomiting occurs naturally have affected person place head below hip level in order to reduce risk of aspiration. 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 until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

#### First Aid Facilities

Eyewash, safety shower and normal washroom facilities.

#### Advice to Doctor

Treat symptomatically.

#### Other Information

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

### 5. FIRE-FIGHTING MEASURES

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#### Suitable Extinguishing Media

Use dry chemical, foam, carbon dioxide.

#### Unsuitable Extinguishing Media

Water jet.

#### Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

#### Specific Hazards Arising From The Chemical

Flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

#### Hazchem Code

•3Y

## Decomposition Temperature

Not available

## Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

## 6. ACCIDENTAL RELEASE MEASURES

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### Emergency Procedures

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. Spillage can be slippery. 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 contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. Use in designated areas with local exhaust ventilation, away from sparks, flames and other ignition sources. Use approved flammable liquid storage containers in the work area. Prevent release of vapours and mists into workplace air. Keep containers tightly closed. Take precautionary measures against static discharges. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.

Avoid exposure. Do not handle until all safety precautions have been read and understood. It is recommended that pregnant or breastfeeding women should not handle this product unless adequate exposure protection can be assured at all times. Female personnel planning pregnancy should be made aware of the potential risks.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from sources of ignition, foodstuffs, clothing and incompatible materials such as oxidising agents. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Oil mist, refined mineral

TWA: 5 mg/m<sup>3</sup>

Trimethylbenzene

TWA: 25 ppm, 123 mg/m<sup>3</sup>

Toluene

TWA: 50 ppm, 191 mg/m<sup>3</sup>

STEL: 150 ppm, 574 mg/m<sup>3</sup>

Notices: Sk,

Cumene

TWA: 25 ppm, 125 mg/m<sup>3</sup>

STEL: 75 ppm, 375 mg/m<sup>3</sup>

Notices: Sk, Carc. 1B

Ethylbenzene

TWA: 100 ppm, 434 mg/m<sup>3</sup>

STEL: 125 ppm, 543 mg/m<sup>3</sup>

Xylene

TWA: 80 ppm, 350 mg/m<sup>3</sup>

STEL: 150 ppm, 655 mg/m<sup>3</sup>

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.

'Category 1B (Carc. 1B)' Notice: Presumed to have carcinogenic potential for humans.

Source: Safe Work Australia

### Biological Limit Values

Name: Xylene

Determinant: Methylhippuric acids in urine

Value: 1.5 g/g creatinine

Sampling time: End of shift

Name: Ethylbenzene

Determinant: Sum of mandelic acid and phenylglyoxylic acid in urine

BEI®: 0.15 g/g creatinine

Sampling time: End of shift

Notation: Ns.

Name: Toluene

Determinant: toluene in urine

Value: 0.03 mg/l

Sampling time: end of shift.

Name: Toluene

Determinant: toluene in blood:

Value: 0.02mg/l

Sampling time: prior to last shift of workweek

Name: Toluene

Determinant: o-Cresol in urine\*

Value: 0.3mg/g creatinine

Sampling time: end of shift.

Source: American Conference of Industrial Hygienists (ACGIH)

### Appropriate Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian 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 full face shield should be used. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious and chemical resistant material. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

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

Properties	Description	Properties	Description
Form	Liquid	Appearance	Liquid
Colour	Red	Odour	Mild solvent
Decomposition Temperature	Not available	Melting Point	Not available
Boiling Point	94 °C	Solubility in Water	Insoluble
pH	Not available	Vapour Pressure	Not available
Vapour Density (Air=1)	Not available	Evaporation Rate	Not available
Odour Threshold	Not available	Viscosity	Not available
Volatile Component	VOC content: 726g/l	Partition Coefficient: n-octanol/water	Not available
Density	0.81 Kg/L	Flash Point	24 °C (Pensky-Martens Closed Cup)
Flammability	Flammable	Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available	Flammable Limits - Upper	Not available
Explosion Properties	Product is not explosive, however, formation of explosive air/vapour mixtures are possible.	Oxidising Properties	Not available

## 10. STABILITY AND REACTIVITY

### Chemical Stability

Stable under normal conditions of storage and handling.

### Reactivity and Stability

Reacts with incompatible materials.

### Conditions to Avoid

Heat, open flames and other sources of ignition. Sparks. Flammable liquid and vapour, may form flammable/explosive vapour-air mixture.

### Incompatible materials

Strong acids, bases, oxidizers and select amines.

### Hazardous Decomposition Products

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

**Possibility of hazardous reactions**

Not available

**Hazardous Polymerization**

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

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**Toxicology Information**

No toxicity data available for this material.

**Ingestion**

May be fatal if swallowed and enters airways. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause severe pulmonary injury that may lead to death. May cause irritation to the mouth, throat, esophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

**Inhalation**

Harmful if inhaled. Inhalation of product vapours can 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 eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

**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**

May cause cancer. Classified as a Known or presumed human carcinogen.

Cumene and ethylbenzene are listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC).

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

**Reproductive Toxicity**

May damage fertility or the unborn child. Classified as a Known or presumed human reproductive or developmental toxicant.

**STOT-single exposure**

May cause respiratory irritation. May cause drowsiness or dizziness.

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration Hazard**

May be fatal if swallowed and enters airways.

**Other Information**

This product contains an Ototoxic substance.

Combination with noise exposure, even at safe levels, could still cause auditory injuries and hearing loss.

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**Persistence and degradability**

Not available

**Mobility**

Not available

**Bioaccumulative Potential**

Not available

**Other Adverse Effects**

Not available

**Environmental Protection**

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

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**13. DISPOSAL CONSIDERATIONS**

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**Disposal considerations**

Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Advise flammable nature. Empty containers may contain flammable residues. Do not cut, puncture or weld on or near containers. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected.

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**14. TRANSPORT INFORMATION**

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**Transport Information**

Road and Rail Transport (ADG Code):

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1: Explosives

- Division 2.1: Flammable Gases.

(Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L)

- Division 2.3: Toxic Gases

- Division 4.2: Spontaneously Combustible Substances

- Division 5.1: Oxidising substances

- Division 5.2: Organic Peroxides

- Class 6: Toxic or Infectious Substances

(where the flammable liquid is nitromethane)

- Class 7: Radioactive materials unless specifically exempted

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Class/Division: 3

UN No: 1263

Proper Shipping Name: PAINT RELATED MATERIAL

Packing Group: III

EMS: F-E, S-E

Special Provisions: 163, 223, 367, 955

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Class/Division: 3

UN No: 1263

Proper Shipping Name: Paint related material

Packing Group: III

Packaging Instructions (passenger & cargo): 355

Packaging Instructions (cargo only): 366



Hazard Label: Flammable liquid  
Special Provisions: A3, A72, A192

**U.N. Number**

1263

**UN proper shipping name**

PAINT RELATED MATERIAL

**Transport hazard class(es)**

3

**Packing Group**

III

**Hazchem Code**

•3Y

**IERG Number**

14

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

**Special Precautions for User**

Not available

## 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.

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Poisons Schedule**

S5

## 16. OTHER INFORMATION

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**Date of preparation or last revision of SDS**

SDS reviewed: April 2021

Supersedes: January 2021

**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.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of Classification and Labelling of Chemicals.

Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

## END OF SDS

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