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**Section 1: Identification of the substance/mixture and of the company/undertaking****Product identifier****Product Name** EZY OPEN™**Product Code(s)** 990**Other means of identification****Synonyms** None**Recommended use of the chemical and restrictions on use****Recommended Use** Lubricants, Greases and Release Products**Uses advised against** No information available**Details of manufacturer or importer****Supplier Identification** XTEX**Address** XTEX Ltd  
ABN 40 121 722 236  
80 Daly Street  
Ascot, WA 6104**Telephone** TEL: 1300-00-XTEX(9839)**E-mail** sales@xtex.com.au**For further information, please contact****Responsible Persons** Product Safety Department**Emergency telephone number****Emergency Telephone Number** CHEMTREC: +1-703-527-3887 (INTERNATIONAL) Information Center, Australia: 13 11 26  
Information Center, New Zealand: 0800 764 766**Section 2: Hazard(s) identification**

**GHS Classification**

<b>Flammable Liquids</b>	Category 4 - (H227)
<b>Aspiration toxicity</b>	Category 1 - (H304)
<b>Reproductive toxicity</b>	Category 1B - (H360)

**Label elements**

Health hazard

**Signal word**

Danger

**Hazard statements**

H227 - Combustible liquid

H304 - May be fatal if swallowed and enters airways

H360 - May damage fertility or the unborn child

**Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Causes mild skin irritation

May cause respiratory irritation

**General Hazards**

No information available.

**Section 3: Composition and information on ingredients, in accordance with Schedule 8****Substance**

Not applicable.

**Mixture**

Chemical name	CAS-No	Percent
Dipropylene glycol monomethyl ether	34590-94-8	20-25
C12-14 isoparaffin	68551-19-9	10-15
1-Methyl-2-pyrrolidone	872-50-4	5-10
Silicon dioxide	7631-86-9	5-10
Non-hazardous ingredients	Proprietary	Balance

## Section 4: First aid measures

### First aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
<b>Emergency telephone number</b>	Poisons Information Center, Australia: 13 11 26 Poisons Information Center, New Zealand: 0800 764 766
<b>Inhalation</b>	Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may occur.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Ingestion</b>	Aspiration hazard if swallowed - can enter lungs and cause damage. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Avoid breathing vapors or mists. See section 8 for more information.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

## Section 5: Firefighting measures

### Suitable Extinguishing Media

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media** No information available.

### Specific hazards arising from the chemical

**Specific hazards arising from the chemical** Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

**Hazardous Combustion Products** Carbon oxides



**Special protective actions for fire-fighters**

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## Section 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Ensure adequate ventilation. Avoid breathing vapors or mists.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up**

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**Precautions to prevent secondary hazards**

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## Section 7: Handling and storage, including how the chemical may be safely used

**Precautions for safe handling**

**Advice on safe handling** Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. In case of insufficient ventilation, wear suitable respiratory equipment.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

**Incompatible materials** None known based on information supplied.

## Section 8: Exposure controls and personal protection

### Control parameters

#### Exposure Limits

Chemical name	Australia
Dipropylene glycol monomethyl ether - 34590-94-8	50 ppm 308 mg/m <sup>3</sup> Skin
1-Methyl-2-pyrrolidone - 872-50-4	25 ppm 103 mg/m <sup>3</sup> 75 ppm STEL 309 mg/m <sup>3</sup> STEL Skin
Silicon dioxide - 7631-86-9	2 mg/m <sup>3</sup>

**Legend** See section 16 for terms and abbreviations.

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Wear suitable protective clothing.

**Hand protection** Wear suitable gloves.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

## Section 9: Physical and chemical properties

### Physical and Chemical Properties

**Physical state** Liquid;  
; Gel

**Appearance** Bronze

**Odor** Petroleum

**Color** No information available

**Odor Threshold** No data available

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	7	
Melting / freezing point	No data available	None known
Boiling point / boiling range	199-260 °C	
Flash Point	75 C	
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known

Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.96	
Water Solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	Not Applicable	
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

**Other Information**

Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

## Section 10: Stability and reactivity

**Reactivity**

**Reactivity** No information available.

**Chemical stability**

**Stability** Stable under normal conditions.

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** Yes.

**Possibility of Hazardous Reactions**

**Possibility of hazardous reactions** None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur

**Conditions to avoid**

**Conditions to avoid** Heat, flames and sparks. Excessive heat.

**Incompatible materials**

**Incompatible materials** None known based on information supplied.

**Hazardous Decomposition Products**

**Hazardous Decomposition Products** Carbon oxides.

## Section 11: Toxicological information

**Acute Toxicity****Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	Not an expected route of exposure. Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. (based on components).
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. May cause irritation.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking. Causes mild skin irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

**Symptoms** Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	15,805.00 mg/kg
<b>ATEmix (dermal)</b>	26,415.00 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	2.67 mg/L

**Unknown acute toxicity** 42.5 % of the mixture consists of ingredient(s) of unknown toxicity  
 1.1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 12.9 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 42.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 42.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 41.4 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Dipropylene glycol monomethyl ether	= 5230 mg/kg ( Rat )	= 9500 mg/kg ( Rabbit )	-
C12-14 isoparaffin	> 5000 mg/kg (Rat)	-	> 5.3 mg/L (Rat)
1-Methyl-2-pyrrolidone	= 3598 mg/kg ( Rat )	= 8 g/kg ( Rabbit )	= 3.1 mg/L ( Rat ) 4 h
Silicon dioxide	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	>2.2 mg/L ( Rat ) 4 h

**Legend**

See section 16 for terms and abbreviations

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	Classification based on data available for ingredients. Contains a known or suspected reproductive toxin.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## Section 12: Ecological information

### Ecotoxicity

#### Ecotoxicity

**Unknown aquatic toxicity** 12.9 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Dipropylene glycol monomethyl ether	-	LC50 96 h: > 10000 mg/L static (Pimephales promelas)	-	LC50 48 h: = 1919 mg/L (Daphnia magna)
C12-14 isoparaffin	> 1000 mg/L	> 1000 mg/l	-	> 1000 mg/l
1-Methyl-2-pyrrolidone	EC50 72 h: > 500 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 832 mg/L static (Lepomis macrochirus) LC50 96 h: = 1072 mg/L static (Pimephales promelas) LC50 96 h: = 1400 mg/L static (Poecilia reticulata) LC50 96 h: = 4000 mg/L static (Leuciscus idus)	-	EC50 48 h: = 4897 mg/L (Daphnia magna)
Silicon dioxide	EC50 72 h: = 440 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 5000 mg/L static (Brachydanio rerio)	-	EC50 48 h: = 7600 mg/L (Ceriodaphnia dubia)

### Persistence and degradability

**Persistence and Degradability** No information available.

### Bioaccumulative potential

#### Bioaccumulation

#### Component Information

Chemical name	Log Pow
Dipropylene glycol monomethyl ether	-0.064
1-Methyl-2-pyrrolidone	-0.46

### Mobility

**Mobility in soil** No information available.

**Mobility** No information available.

### Other adverse effects

**Other adverse effects** No information available.

## Section 13: Disposal considerations

### Waste treatment methods



**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### Section 14: Transport information

#### ADG

**Hazard Class** N/A

#### IATA

**Proper Shipping Name** NOT REGULATED

NON REGULATED

#### IMDG/IMO

NOT REGULATED

**Transport in bulk according to Annex II of MARPOL and the IBC Code**

No information available

### Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

##### Australia

See section 8 for national exposure control parameters

#### **Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

The below table provides the relevant information for classification of this product according to the regulation. This information should be used to appropriately determine if a classification is relevant to the overall product

Chemical name	Percent	Poison Schedule Number	Standard for the Uniform Scheduling of Drugs and Poisons(SUSDP)
1-Methyl-2-pyrrolidone 872-50-4	5-10	5 6	<p><b>Schedule 5</b> (&lt;=50% in preparations of N-Methyl-2-pyrrolidone or preparations containing &lt;=50% of a mixture of any two or more of N-Methyl-2-pyrrolidone;N-(N-Octyl)-2-pyrrolidone or N-(N-Dodecyl)-2-pyrrolidone except in preparations containing &lt;=25% of designated solvent)</p> <p><b>Schedule 5</b> ( when packed in single use containers having a capacity of &lt;=2 mL)</p> <p><b>Schedule 6</b> ( except when included in Schedule 5;or in preparations containing &lt;=25% of designated solvent)</p>

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**National pollutant inventory**

Subject to reporting requirement

Chemical name	National pollutant inventory
Dipropylene glycol monomethyl ether - 34590-94-8	20 MW Threshold category 2b total 60000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total
1-Methyl-2-pyrrolidone - 872-50-4	20 MW Threshold category 2b total 60000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total

**International Inventories**

- TSCA** Contact supplier for inventory compliance status.
- DSL/NDSL** Contact supplier for inventory compliance status.
- EINECS/ELINCS** Contact supplier for inventory compliance status.
- ENCS** Contact supplier for inventory compliance status.
- KECL** Contact supplier for inventory compliance status.
- PICCS** Contact supplier for inventory compliance status.
- AICS** Contact supplier for inventory compliance status.

**Legend**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

**International Regulations**

**Ozone-depleting substances (ODS)** Not applicable

**Persistent Organic Pollutants** Not applicable

**Export Notification requirements** Not applicable

**Section 16: Any other relevant information**

**Prepared By** Product Stewardship  
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**Key or legend to abbreviations and acronyms used in the safety data sheet****Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	-	Skin designation
C	Carcinogen		

**Disclaimer**

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**End of Safety Data Sheet**