

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
Trade name : EZY-OPEN™ LIQUID
Product code : J989

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

No additional information available

1.4. Details of manufacturer or importer

Manufacturer

Whitmore Manufacturing LLC
930 Whitmore Drive
Rockwall, Texas 75087
USA
T 1.972.771.1000
Regulatory@whitmores.com - www.jetlube.com

Distributor

XTEX
Unit 5, 309 Victoria Road
Malaga, W.A, 6090
Australia
1300-00-XTEX(9839)
sales@xtex.com.au xtex.com.au

1.5. Emergency phone number

Emergency number : For Chemical Emergency Call Ricardo Emergency Response 24hr/day 7days/week
Within USA and Canada: +1.215.207.0061
Outside USA and Canada: +44.1235.239670
(collect calls accepted)

| Country/Area | Organisation/Company | Address | Emergency number | Comment |
|--------------|---|-----------------------------|--|---------|
| Australia | NSW Poisons Information Centre The Children's Hospital at Westmead | Locked Bag 4001 NSW 2145 | 13 11 26 | |
| Australia | Ricardo-Australia | | +61.2.8014.4558 | |
| Australia | Ricardo-Australia | | 1800.074.234 (toll-free, Australia only) | |

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable liquids, Category 4 H227
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2A H319

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Exclamation mark

Signal word (GHS AU) :

Warning

Contains :

2-methylpentane-2,4-diol (20.0 - 25.0 %)

Hazard statements (GHS AU) :

H227 - Combustible liquid
H315 - Causes skin irritation
H319 - Causes serious eye irritation

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according to the Work Health and Safety (WHS) Regulations

Precautionary statements (GHS AU) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective clothing, eye protection, face protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice, medical attention.
P337+P313 - If eye irritation persists: Get medical advice, medical attention.
P362 - Take off contaminated clothing.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

| Name | CAS-No. | % | Classification according to the model Work Health and Safety Regulations (WHS Regulations) |
|---|----------|-------------|--|
| 2-methylpentane-2,4-diol | 107-41-5 | 20.0 - 25.0 | Eye Irrit. 2A, H319 Skin Irrit. 2, H315 |
| Other substances (not contributing to the classification of this product) | - | Up to 100% | - |

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Symptoms caused by exposure

No additional information available

4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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according to the Work Health and Safety (WHS) Regulations

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Exercise caution. Spill area may be slippery.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

2-methylpentane-2,4-diol (107-41-5)

Australia - Occupational Exposure Limits

| | |
|----------------------|---|
| Local name | Hexylene glycol (2-Methylpentane-2,4-diol) |
| OES C | 121 mg/m ³ |
| | 25 ppm |
| Regulatory reference | Workplace exposure standards for airborne contaminants (2019) |

8.2. Biological Monitoring

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Materials for protective clothing : Wear protective clothing
Hand protection : Neoprene or nitrile rubber gloves

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|-------------------|---|------------------|-----------------|-------------|----------|
| Disposable gloves | Nitrile rubber (NBR), Neoprene rubber (HNBR) | 2 (> 30 minutes) | 0.3 mm - 0.6 mm | | |

Eye protection : Wear eye protection
Skin and body protection : Wear suitable protective clothing
Respiratory protection : No respiratory protection needed under normal use conditions
Environmental exposure controls : Avoid release to the environment.

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according to the Work Health and Safety (WHS) Regulations

SECTION 9: Physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Appearance | : Liquid. |
| Colour | : amber |
| Odour | : Mild odor |
| Odour threshold | : No data available |
| pH | : No data available |
| pH solution | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point / Freezing point | : Melting point: Not applicable Freezing point: -23 °C |
| Boiling point | : No data available |
| Flash point | : 82 °C |
| Auto-ignition temperature | : No data available |
| Flammability | : No data available |
| Vapour pressure | : No data available |
| Relative density | : No data available |
| Density | : No data available |
| Solubility | : Slightly soluble. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : > 21.5 mm²/s @ 40°C |
| Explosive properties | : No data available |
| Explosive limits | : No data available |
| Minimum ignition energy | : No data available |
| Fat solubility | : No data available |

SECTION 10: Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | : The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | : None under recommended storage and handling conditions (see section 7). |
| Incompatible materials | : No additional information available |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

SECTION 11: Toxicological information

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

2-methylpentane-2,4-diol (107-41-5)

| | |
|-----------------------|---|
| LD50 oral rat | > 2000 mg/kg bodyweight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral, 15 day(s)) |
| LD50 oral | 3680 mg/kg |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 15 day(s)) |
| LC50 Inhalation - Rat | > 55 mg/l (Equivalent or similar to OECD 403, 8 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) |

| | |
|-----------------------------------|----------------------------------|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |

2-methylpentane-2,4-diol (107-41-5)

| | |
|---------------------------|---|
| Reproductive toxicity | Not classified |
| LOAEL (animal/male, F0/P) | 500 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test), Guideline: other:Commission Regulation (EC) No. 440/2008, Part B.3, 30 May 2008 |
| NOAEL (animal/male, F0/P) | 200 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test), Guideline: other:Commission Regulation (EC) No. 440/2008, Part B.3, 30 May 2008 |

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| 2-methylpentane-2,4-diol (107-41-5) | |
|-------------------------------------|---|
| NOAEL (animal/female, F0/P) | ≥ 1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test), Guideline: other: Commission Regulation (EC) No. 440/2008, Part B.3, 30 May 2008 |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| 2-methylpentane-2,4-diol (107-41-5) | |
| NOAEL (oral, rat, 90 days) | 450 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| Aspiration hazard | : Not classified. |
| EZY-OPEN™ LIQUID | |
| Viscosity, kinematic | > 21.5 mm²/s @ 40°C |
| 2-methylpentane-2,4-diol (107-41-5) | |
| Viscosity, kinematic | Not determined |

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

| | |
|---|---|
| Ecology - general | : Harmful to aquatic life. Harmful to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

| 2-methylpentane-2,4-diol (107-41-5) | |
|--|---|
| LC50 - Fish [1] | 9450 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, Lethal) |
| EC50 - Crustacea [1] | 5410 mg/l Test organisms (species): Daphnia magna |
| ErC50 algae | > 429 mg/l Source: EHCA |
| Partition coefficient n-octanol/water (Log Pow) | 0.58 (QSAR, KOWWIN) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0 (log Koc, Calculated value) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 15 day(s)) |
| LD50 oral rat | > 2000 mg/kg bodyweight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral, 15 day(s)) |

12.2. Persistence and degradability

| EZY-OPEN™ LIQUID | |
|-------------------------------------|------------------------------------|
| Persistence and degradability | Not rapidly degradable |
| 2-methylpentane-2,4-diol (107-41-5) | |
| Persistence and degradability | Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0.02 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 2.2 g O ₂ /g substance |
| ThOD | 2.3 g O ₂ /g substance |

12.3. Bioaccumulative potential

| 2-methylpentane-2,4-diol (107-41-5) | |
|---|---------------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.58 (QSAR, KOWWIN) |

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| 2-methylpentane-2,4-diol (107-41-5) | |
|--|--|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0 (log Koc, Calculated value) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

12.4. Mobility in soil

| 2-methylpentane-2,4-diol (107-41-5) | |
|--|-------------------------------|
| Ecology - soil | Highly mobile in soil. |
| Partition coefficient n-octanol/water (Log Pow) | 0.58 (QSAR, KOWWIN) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0 (log Koc, Calculated value) |

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

| EZY-OPEN™ LIQUID | |
|-------------------------------------|-------|
| Fluorinated greenhouse gases | False |
| 2-methylpentane-2,4-diol (107-41-5) | |
| Fluorinated greenhouse gases | False |

SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

| ADG | IMDG | IATA |
|---|---------------|---------------|
| 14.1. UN number | | |
| Not regulated for transport | | |
| 14.2. UN Proper Shipping Name | | |
| Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | |
| Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | |
| Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | |
| Not regulated | Not regulated | Not regulated |

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

Not regulated

Transport by sea

Not regulated

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Air transport

Not regulated

14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS) : All the chemicals contained in this product are listed introductions (Inventory) status

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

No additional information available

Australian Pesticides and Veterinary Medicines Authority (APVMA)

No additional information available

15.2. International agreements

No additional information available

SECTION 16: Other information

Revision date : 22/09/2025

| Classification | |
|----------------|------|
| Flam. Liq. 4 | H227 |
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2A | H319 |

| Full text of H-statements | |
|---------------------------|--|
| Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A |
| Flam. Liq. 4 | Flammable liquids, Category 4 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| H227 | Combustible liquid |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |

Safety Data Sheet (SDS), Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.