

## Safety Data Sheet

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals 3rd Revised Edition

### SECTION 1: PRODUCT IDENTIFIER & IDENTIFIER FOR THE CHEMICAL

#### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** CryoStor<sup>®</sup> CS2; CryoStor<sup>®</sup> CS5; CryoStor<sup>®</sup> CS10

**Synonyms:** CS2; CS5; CS10

#### 1.2. Intended Use of the Product

Ultra-low temperature, storage of biological material.

#### 1.3. Name, Address, and Telephone of the Responsible Party

**Company:** BioLife Solutions, Inc.

Local Distributor

PO BOX 648

Tullamarine, Victoria, Australia

3043

1-800-060-350

[www.biolifesolutions.com](http://www.biolifesolutions.com)

#### 1.4. Emergency Telephone Number

Emergency Number: 425-402-1400

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

GHS-AU Classification

Not classified

#### 2.2. Label Elements

GHS-AU Labeling

No labeling applicable

#### 2.3. Non-GHS Hazards

AUH066 - Repeated exposure may cause skin dryness or cracking.

#### 2.4. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. This product contains DMSO. DMSO easily penetrates the skin, and may increase the rate of skin absorption of skin-permeable substances.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Mixture

| Name                  | Product Identifier  | % *    | GHS Ingredient Classification  |
|-----------------------|---------------------|--------|--|
| Dimethyl sulfoxide    | (CAS-No.) 67-68-5   | 3 - 11 | Flam. Liq. 4, H227   |
| Sucrose               | (CAS-No.) 57-50-1   | 1      | Not classified   |
| Sodium hydroxide**    | (CAS-No.) 1310-73-2 | 0.6    | Met. Corr. 1, H290\<br>Acute Tox. 3 (Oral), H301<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 3, H402 |
| Potassium hydroxide** | (CAS-No.) 1310-58-3 | 0.168  | Met. Corr. 1, H290\<br>Acute Tox. 3 (Oral), H301<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>STOT SE 1, H370       |

\*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

\*\* Components are added to adjust pH, are neutralized, and do not contribute to the overall hazard classification.

Full text of H-statements: see section 16

## Safety Data Sheet

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals 3rd Revised Edition

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

**Personal Protection in First Aid and Measures:** Use appropriate personal protective equipment (PPE).

#### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** Not expected to present a significant hazard under anticipated conditions of normal use. DMSO may enhance the rate of skin absorption of skin-permeable substances.

**Inhalation:** Prolonged exposure may cause irritation.

**Skin Contact:** Prolonged exposure may cause skin irritation. DMSO may enhance the rate of skin absorption of skin-permeable substances.

**Eye Contact:** May cause slight irritation to eyes.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None known.

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

#### 5.2. Special Hazards Arising from the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions. Hazardous reactions may occur on contact with certain chemicals. Refer to incompatible materials.

#### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Irritating or toxic vapors. Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Methylmercaptan. Dimethyl sulfide. Sulfur oxides. Sodium oxides. Hydrogen chloride. Potassium oxides. Phosphorous oxide. Calcium oxides. Magnesium oxides. Formaldehyde. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

**HAZCHEM Emergency Action Code (Australia):** Not applicable

#### 5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

## Safety Data Sheet

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals 3rd Revised Edition

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing.

##### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

##### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

#### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

#### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

#### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** DMSO increases the skin absorption of substances with it, and thereby their toxic effect may be greater than that of the substances alone. Care should be taken if working with DMSO and any other hazardous materials as they may be absorbed more readily by the skin. Contains substances that are combustible dusts. If dried and allowed to accumulate, may form combustible dust concentrations in air that could ignite and cause an explosion. Take appropriate precautions.

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, and spray. Use appropriate personal protective equipment (PPE).

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

#### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container tightly closed. Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Strong reducing agents. Halogenated organic and mineral acids. Methyl bromide, sodium hydride. Halides. Metal salts of oxoacids. Metal salts. Zinc. Steel. Some plastics. Acid chlorides. Boron com-pounds. Maleic anhydride. Water reactive materials.

**Storage Temperature:** 2 - 8 °C

#### 7.3. Specific End Use(s)

Ultra-low temperature, storage of biological material.

## Safety Data Sheet

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals 3rd Revised Edition

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), and Australia OELs.

|  |                                    |   |
|--|------------------------------------|---|
| <b>Sucrose (57-50-1)</b>               |                                    |   |
| <b>USA ACGIH</b>                       | ACGIH TWA (mg/m <sup>3</sup> )     | 10 mg/m <sup>3</sup>  |
| <b>USA ACGIH</b>                       | ACGIH chemical category            | Not Classifiable as a Human Carcinogen  |
| <b>Australia</b>                       | TWA (mg/m <sup>3</sup> )           | 10 mg/m <sup>3</sup> (containing no asbestos and <1% crystalline silica-inhalable dust) |
| <b>Dimethyl sulfoxide (67-68-5)</b>    |                                    |   |
| <b>USA AIHA</b>                        | WEEL TWA (ppm)                     | 250 ppm   |
| <b>Sodium hydroxide (1310-73-2)</b>    |                                    |   |
| <b>USA ACGIH</b>                       | ACGIH Ceiling (mg/m <sup>3</sup> ) | 2 mg/m <sup>3</sup>   |
| <b>Potassium hydroxide (1310-58-3)</b> |                                    |   |
| <b>USA ACGIH</b>                       | ACGIH Ceiling (mg/m <sup>3</sup> ) | 2 mg/m <sup>3</sup>   |

#### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear protective gloves.

**Eye and Face Protection:** Chemical safety goggles.

**Skin and Body Protection:** In laboratory, medical or industrial settings, impervious disposable gloves and protective clothing are recommended if skin contact with the product is possible.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other Information:** When using, do not eat, drink or smoke.

## Safety Data Sheet

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals 3rd Revised Edition

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on Basic Physical and Chemical Properties**

|   |                                    |
|---|------------------------------------|
| <b>Physical State</b>                         | Liquid                             |
| <b>Appearance</b>                             | Clear/colorless to slightly yellow |
| <b>Odour</b>                                  | Slight Odor                        |
| <b>Odour Threshold</b>                        | Not available                      |
| <b>pH</b>                                     | 7.5 - 7.7                          |
| <b>Evaporation Rate</b>                       | Not available                      |
| <b>Melting Point</b>                          | Not available                      |
| <b>Freezing Point</b>                         | Not available                      |
| <b>Boiling Point</b>                          | Not available                      |
| <b>Flash Point</b>                            | Not available                      |
| <b>Auto-ignition Temperature</b>              | Not available                      |
| <b>Decomposition Temperature</b>              | Not available                      |
| <b>Flammability (solid, gas)</b>              | Not applicable                     |
| <b>Lower Flammable Limit</b>                  | Not available                      |
| <b>Upper Flammable Limit</b>                  | Not available                      |
| <b>Vapour Pressure</b>                        | Not available                      |
| <b>Relative Vapour Density at 20°C</b>        | Not available                      |
| <b>Relative Density</b>                       | Not available                      |
| <b>Specific Gravity</b>                       | 1.05 - 1.07                        |
| <b>Solubility</b>                             | Soluble in water                   |
| <b>Partition Coefficient: N-Octanol/Water</b> | Not available                      |
| <b>Viscosity</b>                              | Not available                      |

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity:** Hazardous reactions will not occur under normal conditions. Hazardous reactions may occur on contact with certain chemicals. Refer to incompatible materials.

**10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.

**10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Strong reducing agents. Halogenated organic and mineral acids. Methyl bromide, sodium hydride. Halides. Metal salts of oxoacids. Metal salts. Zinc. Steel. Some plastics. Acid chlorides. Boron compounds. Maleic anhydride. Water reactive materials.

**10.6. Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on Toxicological Effects - Product**

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

**LD50 and LC50 Data:** Not available

## Safety Data Sheet

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals 3rd Revised Edition

**Skin Corrosion/Irritation:** Not classified. **pH:** 7.5 - 7.7

**Eye Damage/Irritation:** Not classified. **pH:** 7.5 - 7.7

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation. DMSO may enhance the rate of skin absorption of skin-permeable substances.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None known.

### 11.2. Information on Toxicological Effects - Ingredient(s)

#### LD50 and LC50 Data:

|  |                 |
|--|-----------------|
| <b>Sucrose (57-50-1)</b>               |                 |
| LD50 Oral Rat                          | 29700 mg/kg     |
| <b>Dimethyl sulfoxide (67-68-5)</b>    |                 |
| LD50 Oral Rat                          | > 20000 mg/kg   |
| LD50 Dermal Rat                        | ≈ 40000 mg/kg   |
| LC50 Inhalation Rat                    | > 5.33 mg/l/4h  |
| <b>Sodium hydroxide (1310-73-2)</b>    |                 |
| LD50 Oral Rat                          | 140 - 340 mg/kg |
| <b>Potassium hydroxide (1310-58-3)</b> |                 |
| LD50 Oral Rat                          | 284 mg/kg       |

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Acute Aquatic **Toxicity: Not classified**

Chronic Aquatic Toxicity: **Not classified**

Ecology - General: Not classified.

|                                     |   |
|-------------------------------------|---|
| <b>Dimethyl sulfoxide (67-68-5)</b> |   |
| LC50 Fish 1                         | 34 g/l (Exposure time: 96 h - Species: Pimephales promelas)               |
| LC50 Fish 2                         | 33 - 37 g/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| <b>Sodium hydroxide (1310-73-2)</b> |   |
| LC50 Fish 1                         | 45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])   |
| EC50 Daphnia 1                      | 40 mg/l   |

### 12.2. Persistence and Degradability

|                                |                  |
|--------------------------------|------------------|
| <b>CryoStor CS2; CS5; CS10</b> |                  |
| Persistence and Degradability  | Not established. |

## Safety Data Sheet

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals 3rd Revised Edition

### 12.3. Bioaccumulative Potential

| CryoStor CS2; CS5; CS10         |                  |
|---------------------------------|------------------|
| Bioaccumulative Potential       | Not established. |
| Dimethyl sulfoxide (67-68-5)    |                  |
| Log Pow                         | -2.03            |
| Potassium hydroxide (1310-58-3) |                  |
| Log Pow                         | 0.65             |

**12.4. Mobility in Soil** Not available

### 12.5. Other Adverse Effects

**Other Information:** Avoid release to the environment.

**Ozone:** Not classified

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

**Ecology - Waste Materials:** Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

**14.1. According to the UNRTDG and ADG Code :** Not classified for transportation.

**14.2. HAZCHEM Emergency Action Code (Australia)** Not applicable.

## SECTION 15: REGULATORY INFORMATION

### 15.1. National Regulations

|   |
|---|
| <p><b>Sucrose (57-50-1)</b></p> <p>Listed on the AICS (Australian Inventory of Chemical Substances)<br/>                     Listed on the Canadian DSL (Domestic Substances List)<br/>                     Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br/>                     Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)<br/>                     Listed on the Japanese ISHL (Industrial Safety and Health Law)<br/>                     Listed on the Korean ECL (Existing Chemicals List)<br/>                     Listed on NZIoC (New Zealand Inventory of Chemicals)<br/>                     Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br/>                     Listed on the United States TSCA (Toxic Substances Control Act) inventory<br/>                     Listed on INSQ (Mexican National Inventory of Chemical Substances)<br/>                     Listed on Turkish inventory of chemical<br/>                     Listed on the TCSI (Taiwan Chemical Substance Inventory)</p> |
| <p><b>Dimethyl sulfoxide (67-68-5)</b></p> <p>Listed on the AICS (Australian Inventory of Chemical Substances)<br/>                     Listed on the Canadian DSL (Domestic Substances List)<br/>                     Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br/>                     Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)<br/>                     Listed on the Japanese ENCS (Existing &amp; New Chemical Substances) inventory<br/>                     Listed on the Japanese ISHL (Industrial Safety and Health Law)<br/>                     Listed on the Korean ECL (Existing Chemicals List)<br/>                     Listed on NZIoC (New Zealand Inventory of Chemicals)<br/>                     Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br/>                     Listed on the United States TSCA (Toxic Substances Control Act) inventory<br/>                     Listed on the Canadian IDL (Ingredient Disclosure List)</p>  |

## Safety Data Sheet

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals 3rd Revised Edition

|  |
|--|
| Listed on INSQ (Mexican National Inventory of Chemical Substances)<br>Listed on Turkish inventory of chemical<br>Listed on the TCSI (Taiwan Chemical Substance Inventory)  |
| <b>Sodium hydroxide (1310-73-2)</b>  |
| Listed on the AICS (Australian Inventory of Chemical Substances)<br>Listed on the Canadian DSL (Domestic Substances List)<br>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Listed on the Japanese ISHL (Industrial Safety and Health Law)<br>Listed on the Korean ECL (Existing Chemicals List)<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br>Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Japanese Poisonous and Deleterious Substances Control Law<br>Listed on the Canadian IDL (Ingredient Disclosure List)<br>Listed on INSQ (Mexican National Inventory of Chemical Substances)<br>Listed on Turkish inventory of chemical<br>Listed on the TCSI (Taiwan Chemical Substance Inventory) |
| <b>Potassium hydroxide (1310-58-3)</b>   |
| Listed on the AICS (Australian Inventory of Chemical Substances)<br>Listed on the Canadian DSL (Domestic Substances List)<br>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Listed on the Japanese ISHL (Industrial Safety and Health Law)<br>Listed on the Korean ECL (Existing Chemicals List)<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br>Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Japanese Poisonous and Deleterious Substances Control Law<br>Listed on the Canadian IDL (Ingredient Disclosure List)<br>Listed on INSQ (Mexican National Inventory of Chemical Substances)<br>Listed on Turkish inventory of chemical<br>Listed on the TCSI (Taiwan Chemical Substance Inventory) |

### 15.2. International Agreements

No additional Information available.

### 15.3 Australia National Regulations

|  |  |
|--|--|
| <b>Dimethyl sulfoxide (67-68-5)</b>                                  |  |
| Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) | Appendix E, Appendix F - Safety Statements, Appendix F - Warning Statements, Schedule 4, Schedule 6              |
| <b>Sodium hydroxide (1310-73-2)</b>                                  |  |
| Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) | Appendix E, Appendix F - Safety Statements, Appendix F - Warning Statements, Schedule 5, Schedule 6, Schedule 10 |
| High Volume Industrial Chemicals List                                | Present  |
| <b>Potassium hydroxide (1310-58-3)</b>                               |  |
| Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) | Appendix E, Appendix F - Safety Statements, Appendix F - Warning Statements, Schedule 5, Schedule 6, Schedule 10 |
| High Volume Industrial Chemicals List                                | Present  |

### 15.4 Australia Territory Regulations

No additional Information available



## Safety Data Sheet

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals 3rd Revised Edition

### SECTION 16: OTHER INFORMATION

#### Other Information

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals 3rd Revised Edition.

#### Data Sources

Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.

#### GHS Full Text Phrases:

|                       |   |
|-----------------------|---|
| Acute Tox. 3 (Oral)   | Acute toxicity (oral), Category 3                               |
| Acute Tox. 4 (Oral)   | Acute toxicity (oral), Category 4                               |
| Acute Tox. 5 (Dermal) | Acute toxicity (dermal), Category 5                             |
| Acute Tox. 5 (Oral)   | Acute toxicity (oral), Category 5                               |
| Aquatic Acute 3       | Hazardous to the aquatic environment — Acute Hazard, Category 3 |
| Eye Dam. 1            | Serious eye damage/eye irritation, Category 1                   |
| Eye Irrit. 2A         | Serious eye damage/eye irritation, Category 2A                  |
| Flam. Liq. 4          | Flammable liquids, Category 4                                   |
| Met. Corr. 1          | Corrosive to metals, Category 1                                 |
| Skin Corr. 1A         | Skin corrosion/irritation, Category 1A                          |
| Skin Irrit. 2         | Skin corrosion/irritation, Category 2                           |
| H227                  | Combustible liquid  |
| H290                  | May be corrosive to metals.                                     |
| H301                  | Toxic if swallowed.   |
| H302                  | Harmful if swallowed.   |
| H303                  | May be harmful if swallowed                                     |
| H313                  | May be harmful in contact with skin                             |
| H314                  | Causes severe skin burns and eye damage.                        |
| H315                  | Causes skin irritation.   |
| H318                  | Causes serious eye damage.                                      |
| H319                  | Causes serious eye irritation.                                  |
| H402                  | Harmful to aquatic life   |

#### Abbreviations and Acronyms

ACGIH – American Conference of Governmental Industrial Hygienists  
 ADG – Australian Dangerous Goods (Code)  
 AIHA – American Industrial Hygiene Association  
 ATE - Acute Toxicity Estimate  
 AU - Australia  
 BCF - Bioconcentration Factor  
 BEI - Biological Exposure Indices (BEI)  
 BOD – Biochemical Oxygen Demand  
 CAS No. - Chemical Abstracts Service Number  
 COD – Chemical Oxygen Demand  
 EC50 - Median Effective Concentration  
 ErC50 - EC50 in Terms of Reduction Growth Rate  
 EU - European Union  
 GHS – Globally Harmonized System of Classification and Labeling of Chemicals  
 IARC - International Agency for Research on Cancer  
 LC50 - Median Lethal Concentration  
 LD50 - Median Lethal Dose  
 LOAEL - Lowest Observed Adverse Effect Level  
 LOEC - Lowest-Observed-Effect Concentration  
 Log Koc - Soil Organic Carbon-water Partitioning Coefficient

Log Kow - Octanol/water Partition Coefficient  
 Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water  
 NOAEL - No-Observed Adverse Effect Level  
 NOEC - No-Observed Effect Concentration  
 NTP – National Toxicology Program  
 OEL - Occupational Exposure Limits  
 pH – Potential Hydrogen  
 SADT - Self Accelerating Decomposition Temperature  
 SDS - Safety Data Sheet  
 STEL - Short Term Exposure Limit  
 ThOD – Theoretical Oxygen Demand  
 TLM - Median Tolerance Limit  
 TLV - Threshold Limit Value  
 TPQ - Threshold Planning Quantity  
 TWA - Time Weighted Average  
 UN - United Nations  
 UN RTDG – United Nations Recommendations on the Transport of Dangerous Goods  
 VOC – Volatile Organic Compounds  
 WEEL - Workplace Environmental Exposure Levels

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.

Australia GHS SDS