

# Safety Data Sheet

## MICROZYME

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	MICROZYME
<b>Other Means of Identification</b>	L2030
<b>Recommended Use</b>	Drain Cleaner.
<b>Restrictions on Use</b>	Industrial Use Only - Keep Away from Children.
<b>Manufacturer</b>	Chemisphere Solutions Ltd., 15 Calder Place, St. Albert, Alberta, T8N 5A6, Canada
<b>Supplier Identifier</b>	Chemisphere Solutions Ltd., 15 Calder Place, St. Albert, Alberta, T8N 5A6, Canada
<b>Emergency Phone No.</b>	CANUTEC, 613 966 - 6666, 24 Hours Alberta Poison Centre, (800) 332 - 1414, 24 Hours
<b>SDS No.</b>	00680045

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Acute toxicity (Oral) - Category 4

#### Label Elements



Signal Word:  
Warning

Hazard Statement(s):  
Harmful if swallowed.

Precautionary Statement(s):

Prevention:

Wash hands thoroughly after handling.

Wash hands and skin thoroughly after handling.

Response:

IF SWALLOWED: Call a POISON CENTRE or doctor.

Rinse mouth.

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Disposal:  
Dispose of contents and container in accordance with local, regional, national and international regulations.

**Other Hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names

### SECTION 4. FIRST-AID MEASURES

**First-aid Measures**

**Inhalation**

Move to fresh air.

**Skin Contact**

Quickly and gently blot or brush away excess chemical. Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.

**Eye Contact**

Quickly and gently blot or brush chemical off the face. Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

**Ingestion**

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor.

**Most Important Symptoms and Effects, Acute and Delayed**

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Immediate Medical Attention and Special Treatment**

**Medical Conditions Aggravated by Exposure**

Dermatitis.

### SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing Media**

**Suitable Extinguishing Media**

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

**Unsuitable Extinguishing Media**

None known.

**Specific Hazards Arising from the Product**

Does not burn. Heating increases the release of toxic vapour. Closed containers may rupture violently when heated releasing contents. Not sensitive to static discharge.

Very toxic carbon monoxide, carbon dioxide; sodium oxides.

**Special Protective Equipment and Precautions for Fire-fighters**

No special precautions are necessary.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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## Personal Precautions, Protective Equipment, and Emergency Procedures

Remove or isolate incompatible materials as well as other hazardous materials.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Small spills or leaks: flush spill area.

Large spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not swallow. Avoid generating vapours or mists. Prevent accidental contact with incompatible chemicals.

General hygiene considerations: wash hands thoroughly after handling this material.

### Conditions for Safe Storage

Store in an area that is: separate from incompatible materials (see Section 10: Stability and Reactivity), ventilated.

Avoid extended exposure to high or low temperature. Avoid extended exposure to humidity.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Not available.

### Appropriate Engineering Controls

The hazard potential of this product is relatively low. General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

#### Skin Protection

Not required, if used as directed.

#### Respiratory Protection

Not normally required if product is used as directed.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Clear amber.
Odour	Fragrant
Odour Threshold	Not available
pH	8
Melting Point/Freezing Point	Not available (melting); ~ 0 °C (32 °F) (freezing)
Initial Boiling Point/Range	~ 100 °C (212 °F)
Flash Point	Not applicable
Evaporation Rate	~ 0.3
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	~ 2.33 kPa (17.48 mm Hg) at 20 °C
Vapour Density (air = 1)	~ 0.6
Relative Density (water = 1)	1.00
Solubility	Soluble in all proportions in water

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<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); ~ 1 centipoises (dynamic)

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None known.

### Conditions to Avoid

Incompatible materials. Water, moisture or humidity. High temperatures. Low temperatures.

### Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide).

May inactivate biological cultures.

### Hazardous Decomposition Products

None known.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Skin contact; eye contact; ingestion.

### Acute Toxicity

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

### Skin Corrosion/Irritation

There is limited evidence of very mild irritation. Repeated or prolonged exposure can irritate the skin.

### Serious Eye Damage/Irritation

May cause mild irritation based on information for closely related chemicals. May contribute to infection when in contact with open wounds.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May cause nose and throat irritation.

#### Skin Absorption

No information was located.

#### Ingestion

May cause irritation of the mouth, throat and stomach.

### Aspiration Hazard

Not known to be an aspiration hazard.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

Causes effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above. Following skin contact: may cause dermatitis after repeated contact.

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### **Respiratory and/or Skin Sensitization**

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

### **Carcinogenicity**

Not known to cause cancer.

### **Reproductive Toxicity**

#### **Development of Offspring**

Not known to harm the unborn child.

#### **Sexual Function and Fertility**

Not known to cause effects on sexual function or fertility.

#### **Effects on or via Lactation**

Not known to cause effects on or via lactation.

### **Germ Cell Mutagenicity**

Not known to be a mutagen.

### **Interactive Effects**

No information was located.

## **SECTION 12. ECOLOGICAL INFORMATION**

This section is not required by WHMIS. This section is not required by OSHA HCS 2012.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

This section is not required by OSHA HCS 2012. This section is not required by WHMIS 2015.

## **SECTION 14. TRANSPORT INFORMATION**

This section is not required by WHMIS 2015. This section is not required by OSHA HCS 2012.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## **SECTION 15. REGULATORY INFORMATION**

### **Safety, Health and Environmental Regulations**

This section is not required by OSHA HCS 2012. This section is not required by WHMIS.

## **SECTION 16. OTHER INFORMATION**

**SDS Prepared By** Chemisphere Solutions Ltd  
**Phone No.** (780) 460-4670  
**Date of Preparation** May 02, 2018  
**Date of Last Revision** May 02, 2018  
**Key to Abbreviations** IARC = International Agency for Research on Cancer  
HSDB® = Hazardous Substances Data Bank  
OSHA = US Occupational Safety and Health Administration

## References

CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).  
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).

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