

# Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Issue date: 12/16/2020 Revision date: 12/16/2020 Version: 1.0

# **SECTION 1: Identification**

### Identification

Product form : Mixture

Product name : Micro-Scientific Enzyclean II Dual Enzyme Detergent

**Product Code** 

### Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Detergent

#### 1.3. Details of the supplier of the safety data sheet

# Manufacturer

Micro-Scientific, LLC 755 Tri-State Parkway Gurnee, IL 60031 T 1-888-253-2536

#### Distributor

Amrak Healthcare Canada, Inc. 155 Powerline Road Bantford, ON N3T 5L8 Canada

T. 1-888-752-3920

### **Emergency telephone number**

**Emergency number** : 1-800-535-5053

### **SECTION 2: Hazard identification**

### Classification of the substance or mixture

#### **GHS** classification

Resp. Sens. 1

### Label elements

# **GHS** labelling

Hazard pictograms (GHS)



Signal word (GHS)

Hazard statements (GHS) : May cause allergy or asthma symptoms or breathing difficulties if inhaled. Precautionary statements (GHS)

Avoid breathing mist/vapours/spray. In case of inadequate ventilation, wear respiratory protection. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or doctor. Dispose of contents/container to hazardous or special waste collection point, in accordance with local,

regional, national and/or international regulation.

## Other hazards

No additional information available

# **Unknown acute toxicity**

Not applicable

# **SECTION 3: Composition/information on ingredients**

# **Substances**

Not applicable

12/16/2020 EN (English) Page 1

# Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

#### 3.2 **Mixtures**

Name	Product identifier	%
Glycerin	(CAS-No.) 56-81-5	5 - 10
Benzenesulfonic acid, C10-16-alkyl derivatives, sodium salts	(CAS-No.) 68081-81-2	1 - 5
Octanoic acid, potassium salt	(CAS-No.) 764-71-6	0.5 - 1.5
Subtilisins (proteolytic enzymes)	(CAS-No.) 9014-01-1	0.1 – 1

<sup>\*</sup>Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

### **SECTION 4: First-aid measures**

#### **Description of first aid measures**

First-aid measures after inhalation

: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

First-aid measures after skin contact

: If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation

First-aid measures after eye contact

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

: Do not induce vomiting without medical advice. Never give anything by mouth to an

unconscious person. Get medical advice/attention if you feel unwell.

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

Symptoms/effects after inhalation

First-aid measures after ingestion

: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause irritation

to the respiratory tract.

Symptoms/effects after skin contact

: May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact

: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear

production, with possible redness and swelling.

Symptoms/effects after ingestion

: May be harmful if swallowed. May cause stomach distress, nausea or vomiting. May cause

gastrointestinal irritation, nausea, vomiting and diarrhea.

# Indication of any immediate medical attention and special treatment needed

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

# **SECTION 5: Fire-fighting measures**

### **Extinguishing media**

Suitable extinguishing media

: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media

: None known.

### Special hazards arising from the substance or mixture

Fire hazard

: Products of combustion may include, and are not limited to: oxides of carbon.

### **Advice for firefighters**

Protection during firefighting

: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

# **SECTION 6: Accidental release measures**

# Personal precautions, protective equipment and emergency procedures

General measures

: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### **Environmental precautions**

Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment

: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up

: Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

12/16/2020 EN (English) 2/6

# Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

# **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not

swallow. Handle and open container with care. When using do not eat, drink or smoke. Use

only outdoors or in a well-ventilated area.

Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a well-ventilated place.

# SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Weiman Enzyclean II Dual Enzyme Detergent		
No additional information available		
Glycerin (56-81-5)		
USA - OSHA - Occupational Exposure Limits		
OSHA PEL TWA [1]	15 mg/m³ (mist, total particulate) 5 mg/m³ (mist, respirable fraction)	
Octanoic acid, potassium salt (764-71-6)		
No additional information available		
Benzenesulfonic acid, C10-16-alkyl derivatives, sodium salts (68081-81-2)		
No additional information available		
Subtilisins (proteolytic enzymes) (9014-01-1)		
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL C 0.00006 mg/m³ (Subtilisins)		
USA - NIOSH - Occupational Exposure Limits		
NIOSH REL STEL	IOSH REL STEL 0.00006 mg/m³ (Subtilisins)	

# 8.2. Exposure controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below

recommended exposure limits.

Hand protection : Wear suitable gloves.

Eye protection : Safety glasses or goggles are recommended when using product.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of inadequate ventilation, wear respiratory protection. Respirator selection must be

based on known or anticipated exposure levels, the hazards of the product and the safe

working limits of the selected respirator.

Environmental exposure controls : Avoid release to the environment.

Other information : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or

smoke when using this product.

# **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Green liquid

Colour : Green

Odour : Spearmint.

Odour threshold : No data available

pH : 8 5 - 9

H : 8.5 –

Melting point : No data available
Freezing point : No data available
Boiling point : No data available

12/16/2020 EN (English) 3/6

# Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Flash point : No data available
Relative evaporation rate (butylacetate=1) : No data available
Flammability (solid, gas) : Not flammable
Vapour pressure : No data available
Relative vapour density at 20 °C / 68 °C : No data available

Relative density : 1.1

Solubility : No data available : No data available Partition coefficient n-octanol/water Auto-ignition temperature : No data available Decomposition temperature : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available **Explosive limits** No data available Explosive properties : No data available : No data available Oxidising properties

### 9.2. Other information

No additional information available

# **SECTION 10: Stability and reactivity**

# 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under normal conditions.

# 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Heat.

# 10.5. Incompatible materials

None known.

# 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

# **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.

Acute toxicity (dermal) : Not classified.

Acute toxicity (inhalation) : Not classified.

Subtilisins	(proteolytic	enzymes)	(9014-01-1)
I D50 oral ra	t		

Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity : Not classified.

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified.

STOT-single exposure : Not classified.

# Benzenesulfonic acid, C10-16-alkyl derivatives, sodium salts (68081-81-2) STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure : Not classified.

12/16/2020 EN (English) 4/6

# Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Aspiration hazard : Not classified.

Symptoms/effects after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause irritation

to the respiratory tract.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear

production, with possible redness and swelling.

Symptoms/effects after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting. May cause

gastrointestinal irritation, nausea, vomiting and diarrhea.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

# **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Glycerin (56-81-5)

LC50 - Fish [1] 51 – 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

Subtilisins (proteolytic enzymes) (9014-01-1)

LC50 - Fish [1] 200 mg/l

### 12.2. Persistence and degradability

Weiman	Enzyclean	II Dual En	izyme D	etergent

Persistence and degradability Not established.

#### 12.3. Bioaccumulative potential

Weiman Enzyclean II Dual Enzyme Detergent		
Bioaccumulative potential Not established.		
Glycerin (56-81-5)		
BCF - Fish [1]	(no bioaccumulation)	
Partition coefficient n-octanol/water	-1.76	

### 12.4. Mobility in soil

No additional information available

# 12.5. Other adverse effects

Effect on the ozone layer : No additional information available

Other information : No other effects known.

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of commendations

Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. The generation of waste should be avoided or minimized wherever possible.

# **SECTION 14: Transport information**

# Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT/TDG

Not regulated

# Air transport

Not regulated

# **SECTION 15: Regulatory information**

### 15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

12/16/2020 EN (English) 5/6

# Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

# 15.2. International regulations

No additional information available

# 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

# **SECTION 16: Other information**

Revision date : 12/16/2020 Other information : None.

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12/16/2020 EN (English) 6/6