

SAFETY DATA SHEET**SECTION I - PRODUCT IDENTIFICATION**

Product Identifier: Biozymes 1030
Other means of identification: Grease Trap Opener
Recommended use: Unclogging and Cleaning Grease Traps
Manufacturer/Supplier Name: Magna Chemical Canada Inc.
Address: 1450 Government Road West, Kirkland Lake ON P2N 2E9
Phone: 705 642 3352 or 416 479 9151
Emergency Only: Canutec 24hr Tel: 613 996 6666
Revision date: 15 January 2019

SECTION II – HAZARDS IDENTIFICATION**Classification**

Classification of the chemical accordance with 29CFR 1910.1200

WHIMIS Classification

Skin Sensitization Category 1

Label Elements**Warning****Hazard Statements**

H317 – May cause an allergic skin reaction

Precautionary statements - Prevention

P264: Wash face, hands and any exposed skin thoroughly after handling

P270: Do not eat, drink or smoke when using this product

Precautionary statements - Response

P333 + P313: If skin irritation or rash occurs: Get medical advice/attention

P363: Wash contaminated clothing before reuse

**Hazards not otherwise classified (HNOC)**

Not applicable

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	GHS Classification
Benzenesulfonic acid, C 10-16-alkyl derivs	68584-22-5	1 – 5	Eye Irrit. 2 H319
D-limonene	5989-27-5	0.1-< 1	Skin Irrit. 2 (H315) C Flam. Liq. 3 (H226) C Skin Sens. 1 (H317) C Aquatic Acute 1 (H400) C Aquatic Chronic 1 (H410) C

SECTION IV – FIRST AID MEASURES

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult physician.

Skin Contact

Immediately wash with water and soap and rinse thoroughly.

Inhalation

Move to fresh air.

Ingestion

Clean mouth with water and afterwards drink plenty of water.

Notes to Physician

Treat symptomatically.

SECTION V – FIRE FIGHTING MEASURES

Flammable Properties

Slightly flammable according to HMIS criteria.

Suitable Fire-extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

None.

Hazardous Combustion Products

None.

Specific Hazards Arising from the Chemical

May cause allergic respiratory reaction.

Protective Equipment and Precautions for Firefighters

Self-contained breathing apparatus and standard turn-out apparel.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal Precautions

For personal protection see section 8

Environmental Precautions

Collect spillage

Methods for cleaning up

Avoid formation of dust and aerosols

Spilled preparation should be removed immediately to avoid formation of dust from dried preparation. Take up by mechanical means preferably by a vacuum cleaner equipped with a HEPA (High Efficiency Particulate Air) filter. Flush remainder carefully with plenty of water. Avoid splashing, high pressure washing or compressed air cleaning to avoid formation of aerosols. Ensure sufficient ventilation. Wash contaminated clothing.

Other Information

For personal protection see section 8.

SECTION VII – HANDLING AND STORAGE

Handling

Avoid formation of dust and aerosols. Ensure adequate ventilation.

Liquid enzyme preparations are dust-free preparations. However, inappropriate handling may cause formation of dust or aerosols.

Storage

Keep tightly closed in a dry and cool place.

Temperature

10-25°C (32-77°F)

Storage Conditions

In unbroken packaging – dry and protect from sun. The product has been formulated for optimal stability. Extended storage or adverse conditions such as higher temperatures or higher humidity may lead to a higher dosage requirement.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	DMEL Inhalation Long Term Local (Professionals/Consumers)	DNEL Dermal Acute Local (Professionals/Consumers)
Protease (Subtilisin) (aep)	DMEL = 15 ng/m ³	DNEL = 0.2% in mixture (W/W)

Derived No Effect Level (DNEL)

Derived Minimal Effect Level (DMEL)

Occupational exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Maintain good conditions of industrial hygiene. Some processes may require enclosures, local exhaust ventilation, or other engineering controls to control airborne levels. Additional handling and health/safety information is available upon request.

Personal Protective Equipment

Respiratory Equipment

In case of insufficient ventilation wear suitable respiratory equipment that meets HEPA/P100 specifications.

Eye Protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

No special technical protective measures are necessary.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practices

Environmental Exposure Controls

Local authorities should be advised if significant spillages cannot be contained.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Green
Odour	Slight fermentation odour
Odour Threshold	No information available
pH-value at 20°C	5.0
Boiling Point	No information available
Melting Point	No information available
Flash Point	>100°C
Freezing Point 1	No information available
Flammability (solid, gas)	No information available
Explosive Properties	No information available
Oxidizing Properties	No information available
Autoignition Temperature	No information available
Vapour Pressure	No information available
Decomposition Temperature	No information available
Vapour Density	No information available
Density (g/ml)	1.01
Evaporation Rate	No information available
Solubility	Soluble
Partition coefficient: n-octanol/water	No information available
Viscosity	No information available

SECTION X – STABILITY & REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

None.

Materials to Avoid

None.

Hazardous Decomposition Products

None.

Possibility of Hazardous Reactions

None.

SECTION XI – TOXICOLOGICAL INFORMATION

Information on toxicological effects

Chemical Name	Acute Oral Toxicity	Acute Inhalation Toxicity	Skin Corrosion/Irritation	Serious Eye Damage/Irritation
Benzenesulfonic acid C 10-16-alkyl derivs	LD50: 300-2000 mg/kg bw	No Data Available	No Data Available	Irritating
D-limonene	LD50: >2000 mg/kg bw (OECD TG 401, 420)	No Data Available	Irritating	Not irritating (OECD TG 405)

Chemical Name	Specific Target Organ Toxicity (single exposure)	Genetic Toxicity	Skin Sensitization	Respiratory Sensitization
Benzenesulfonic acid C 10-16-alkyl derivs	No Data Available	No Data Available	No Data Available	No Data Available
D-limonene	No Data Available	No data available	Sensitizing	No Data Available

SECTION XII – ECOLOGICAL INFORMATION

Toxicity

Chemical Name	Daphnia, Acute	Algae, Acute	Fish, Acute
Benzenesulfonic acid C 10-16-alkyl derivs	No Data Available	No Data Available	No Data Available
D-limonene	No data available	No data available	LC50 (96 hours): 0.1-1mg/l (OECD 203)

Persistence/Degradability

Chemical Name	Persistence and Degradability	Partition Coefficient (n-octanol/water)
Benzenesulfonic acid, C 10-16-alkyl derivs	No Data Available	LogPow: <0
D-limonene	Readily Biodegradable (OECD 301)	LogPow: <0

Bio accumulative Potential

Bioaccumulation is unlikely

Chemical Name	Bio accumulative Potential
Benzenesulfonic acid, C 10-16-alkyl derivs	Does not bioaccumulate
D-limonene	Does not bioaccumulate

Mobility in Soil

Not relevant.

Other Adverse Effects

No information available.

SECTION XIII – DISPOSAL CONSIDERATIONS

Disposal of Wastes

Dispose of in accordance with local regulations.

Contaminated Packaging

Dispose of wastes in an approved waste disposal facility.

SECTION XIV – TRANSPORT INFORMATION

Transport Regulation

No dangerous good according to transport regulations.

No special precautions required.

Transport Hazard Class/es

Not applicable.

Packing Group

Not applicable.

Environment Hazards

Not applicable.

SECTION XV – REGULATORY INFORMATION

USA, Federal Regulations

TSCA Inventory

All ingredients are listed on TSCA Inventory

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and 40 CFR Part 372.

SARA 311/312 Hazard Categorization

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

USA, State Regulation

California Proposition 65

This product does not contain any Proposition 65 chemicals

Canada

DSL/NDSL

Complies

WHIMIS Statement

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulation (HPR) and the SDS contains all the information required by WHIMIS 2015.

SECTION XVI – OTHER INFORMATION

HMIS rating: Health - 0 Fire - 0, Reactivity - 0, Protection - B

Where

0 = Insignificant

1 = Slight

2 = Moderate

3 = Serious

4 = Severe

A = Safety Glass

B = Safety Glass & Gloves

C = Safety Glass, Gloves & Apron

D = Face Shield, Gloves & Apron

Replaces edition of: 10 March 2019

Relevant phrases:

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

ADR: Accord Européen sur le transport des marchandises dangereuses par Route (European Agreement concerning International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service Number

PBT: Persistent, Bio accumulative and Toxic

vPvB: very Persistent and very Bio accumulative

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute Toxicity – Category 4

Skin Cor. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin Sensitization – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment – acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment – long-term aquatic hazard – Category 1

HMIS: Hazardous Materials Identification System

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: recommended exposure limit

TWA8: The time weighted average concentration for a normal 8-hour workday and a 40-hour workweek, to which nearly all workers may be repeatedly exposed, day after day, without adverse effect

N.A: Not applicable

N/E: Not establish

N.D: Not determine

C: Ceiling (The concentration that should not be exceeded during any part of the working exposure)

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