

SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Identifier: Biozymes 1080
Other means of identification: Bio-Lift Soil Remediation
Recommended use: For cleaning up hydrocarbon stains
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

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Additional information:

Safety data sheet available on request.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Chemical Characterization: Mixtures

Description: Mixture of the substances listed below with non-hazardous additions

Ingredients		
CAS: 7631-99-4	Sodium Nitrate	≥ 0.1 - ≤ 2.5%
EINECS: 231-554-3	Ox. Sol. 3, H272; Skin Irritation 2, H319; STOT SE 3, H335	

Additional Information

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret. For the wording of the listed hazard phrases refer to section 16.

SECTION IV – FIRST AID MEASURES

4.1 Description of first aid measures

General information No special measures required.

After inhalation Supply fresh air; consult doctor in case of complaints

After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact Rinse opened eye for several minutes under running water.

After swallowing If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

The symptoms and effects are as expected from the hazards shown in section 2.

No specific product related symptoms are known.

Information for doctor Show this safety data sheet to the doctor in attendance.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information.

SECTION V – FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents Use fire-fighting measures that suit the environment.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

SECTION VI – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Not required.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up: Pick up mechanically.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION VII – HANDLING AND STORAGE

7.1 Precautions for safe handling No special measures required.

Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: None.

Storage Class 11

7.3 Specific end use(s) No further relevant information available.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.

8.2 Exposure controls Use local exhaust ventilation to control airborne concentrations below exposure limits.

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to when handling chemicals.

Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). To determine the appropriate type of respiratory protection that should be used, and hazard assessment should be performed prior to using the product. Environmental conditions such as ventilation and other contaminants may affect the type of respiratory protection that is chosen.

Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Protective Gloves I.E., Nitrile, Viton, Neoprene

Eye protection: Tightly sealed goggles.

Body protection: Protective work clothing.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

Physical State	Solid
Color	Light brown with black and white granules
Odour	Odourless
Odour Threshold	Undetermined
pH-value at 20°C	6.5 – 8.0
Initial Boiling Point and Boiling Range	Undetermined
Melting Point/Freezing Point	Undetermined
Flash Point	Not applicable
Flammability (solid, gas)	Not determined
Explosive Properties	Product does not present an explosive hazard
Decomposition Temperature	Not determined
Auto-ignition Temperature	Product is not self-igniting
Vapour Pressure	Not applicable
Density	Not determined
Relative Density	Not determined
Vapour Density	Not applicable
Evaporation Rate	Not applicable
Solubility in / Miscibility with Water	Soluble
Partition coefficient: n-octanol/water	Not determined
Dynamic and Kinetic Viscosity	Not applicable
Solvent Content	
Organic Content	0.0%
Solids Content	100.0%

Other Information

The above data are typical values and do not constitute a specification. *Properties have been calculated.

SECTION X – STABILITY & REACTIVITY

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable under recommended storage conditions

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known

SECTION XI – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION XII – ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bio accumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION XIII – DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation Dispose of in accordance with local, state, and federal regulations.

European waste catalogue

The European Waste Catalogue (EWC) waste codes do not refer to product but to origin. The manufacturer is therefore unable to quote a waste code for products which are used in various industries. Any codes shown should be regarded as a recommendation to the user.

Uncleaned Packaging's:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary, with cleansing agents.

SECTION XIV – TRANSPORT INFORMATION

UN-Number ADR, AND, IMDG, IATA	Void
UN Proper Shipping Name ADR, AND, IMDG, IATA	Void
Transport Hazard Class(es) ADR, AND, IMDG, IATA	Void
Packing Group ADR, IMDG, IATA	Void
Environmental hazards	Not applicable
Special Precautions for User	Not applicable
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
UN "Model Regulation"	Void

SECTION XV – REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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 2016

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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