SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Identifier:	Biozymes 1070
Other means of identification:	Septic Waste Degrader
Recommended use:	Septic Tanks
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

Most Important Hazards: The preparation is not classified as dangerous according to the criteria laid down in EU Council Directive 1999/45/EEC

Most Important Adverse Human Health Effects: None identified.

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

Dry preparation containing a consortium of Class 1 micro-organisms (see Section 16), and a natural carrier. No ingredient or substance carries any Risk Phrase for the purposes of classification.

SECTION IV – FIRST AID MEASURES

Inhalation
Move person to fresh air. Seek medical attention if symptoms occur.

Skin Contact
Immediately wash affected area thoroughly with water. Seek medical attention if irritation develops. Organisms used are non-pathogenic but open wounds should be covered.

Eye Contact
Immediately flush eyes with plenty of water. Seek medical attention if irritation develops.

Ingestion
Drink fluids to dilute. Seek medical attention.

SECTION V – FIRE FIGHTING MEASURES

Suitable Fire-extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Extinguishing Media not to be used
None

Specific Exposure Hazards
If the substance is involved in a fire, oxides of carbon and nitrogen may be evolved.

Protective Equipment for Firefighters
Full protective clothing and self-contained breathing apparatus should be worn.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal Precautions
Evacuate personnel from immediate vicinity. Wear eye protection (e.g. goggles), chemical resistant gloves, protective clothing (e.g. an impervious apron) and a vapour mask conforming to standard EN405 FFAI. Refer to section 8.
Environmental Precautions
None.
Methods for cleaning up
Stop the spillage at the source and contain. Small spillages on floors can be flushed to drain. Clean the spillage area with water and detergent. Small releases will not pose any hazard to the local environment.

SECTION VII – HANDLING AND STORAGE

Handling
Precautions
The substance should be handled under conditions of good industrial hygiene and in conformity with any local regulations in order to avoid unnecessary exposure.
Technical Measures
The use of gloves will reduce exposure to the preparation.
Specific Requirements
None
Specific Design for Storage Rooms or Vessels
None
Incompatible Materials
Strong acids, strong alkali and reducing agents. Do not store in metallic containers.
Conditions of Storage
Store in a cool, dry, well ventilated area. Keep container tightly closed when not in use. Avoid freezing temperatures. Avoid temperatures above 45^0C to preserve biological stability.
Quantity Limits
None.
Packaging Materials
Packaging should be kept dry

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures
LEV is recommended to reduce exposure to the preparation
Specific Control Parameters
None
Personal Protective Equipment
The provision of personal protective equipment and the need to provide engineering control measures should be decided upon by the user as part of a formal exposure risk assessment. Based upon the available toxicological information the protective measures described below should be regarded as a minimum.
Respiratory Protection
No special ventilation is usually necessary. However, if operating conditions create high airborne concentrations of this material, based upon available information and in the absence of occupational exposure limits, the use of a dust mask to a minimum standard of EN405 FFAI is recommended.
Hand Protection
Avoid prolonged or frequent repeated skin contact especially with broken skin. Chemical protective gloves to a Standard EN374 should be provided. Usage periods should not exceed the breakthrough times for the chemical stated by the manufacturer of the glove.
Eye Protection
Care should be used to prevent eye exposure and ideally eye protection should be used when handling the preparation. The protection should be capable of giving chemical protection as classified in BS2092 or EN166.
Skin Protection
No special clothing or equipment is usually necessary. Avoid contact with broken skin. However prolonged/frequent direct handling of the material should be minimized by wearing chemical protective clothing suitable for protection against the chemical as classified by Standard EN368.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Free-flowing Powder
Color	Blackish/Tan
Odour	Earthy cereal smell
pH	7 ± 0.2
Boiling Point	Not applicable
Melting Point	Not applicable
Flash Point	Not determined
Flammability (solid, gas)	Not applicable
Auto flammability	Not Applicable
Explosive Properties	Predicted not explosive based on chemical structure
Oxidizing Properties	Not applicable
Vapour Pressure	Not applicable
Bulk Density	0.5 – 0.7 g/cm^3
Water Solubility	Dispersible
Fat Solubility	Not determined
Partition coefficient: n-octanol/water	Not determined
Other Data	None available

SECTION X – STABILITY & REACTIVITY

Conditions to Avoid
Excessive temperature variations, below 0^0C or above 45^0C
Materials to Avoid
Strong acids or alkali and strong oxidizing agents
Hazardous decomposition products
None anticipated

SECTION XI – TOXICOLOGICAL INFORMATION

Acute Toxic effects

Ingestion, LD50 Rat oral (mg/kg):	Not determined
Inhalation, LC50 Rat inhalation (mg/1/4h):	Not determined
Skin, LD50 Rat dermal (mg/kg)	Not determined
Eye irritation	Not determined

Chronic Toxic effects

Sensitization	May occur in susceptible individuals/asthmatics

Prolonged or repeated contact may cause irritation. Contact with eyes could cause slight irritation.
The product is formulated using a range of Class 1 micro-organisms specially selected from the natural environment and that are known to be non-pathogenic to humans, animals or plants. It is advised to cover open wounds when in use.

SECTION XII – ECOLOGICAL INFORMATION

Mobility
This product is highly dispersible in water. Therefore, it is likely to distribute predominately to the aqueous environment.

Biodegradability
The preparation is expected to biodegrade rapidly. However, no information on anaerobic biodegradation in available.

Accumulation
Not anticipated to bioaccumulate and hence biomagnification is not likely.

Ecotoxicity
The preparation is not anticipated to pose any environment hazard.
No data on toxicity specifically to soil organisms, plants and terrestrial animals are available.

Other Adverse Effects
There is no ozone depletion, photochemical ozone creation or global warming potential. Positive effects in a sewage treatment plant are anticipated.

SECTION XIII – DISPOSAL CONSIDERATIONS

Wastes from Residues
Dispose of by incineration, landfill or to drain in accordance with local regulations.

Contaminated Packaging
Dispose of by incineration or landfill in accordance with local regulations. Empty packaging can be recycled.

SECTION XIV – TRANSPORT INFORMATION

International Regulations

Land:	Not applicable.
Inland waterways	Not applicable.
Sea	Not applicable.
Air	Not applicable.

UN Classification Number None

Local Regulations Any relevant local regulations concerning transport should be observed.

SECTION XV – REGULATORY INFORMATION

EC Regulations
The preparation is not classified as "dangerous" and therefore no labels according to the requirements of Annex VI of EU Council Directive 67/548/EEC and EU Council Directive 1999/45/EEC are necessary.
The preparation is not deemed "hazardous" according to requirements of Council Directive 2000/54/EEC.

Symbols	None
R-phrases	None
S-phrases	None

Use of this preparation is described by Council Directive 2000/54/EC and no special precautions are necessary.

Local Regulation
Any relevant local regulations should be observed.

SECTION XVI – OTHER INFORMATION

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

0 = Insignificant	
1 = Slight	A = Safety Glass
2 = Moderate	B = Safety Glass & Gloves
3 = Serious	C = Safety Glass, Gloves & Apron
4 = Severe	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 European sur le transport des merchandises 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-tern 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)