SAFETY DATA SHEET (SDS)

Section 1. Identification

Product identifier	TubeFlo – BioPure
Other means of identification	EZM
Recommended use and restrictions on use	Septic Tank Treatment
Initial supplier identifier	Laboratoires St-Antoine, 2834 Marie-Victorin, St-Antoine-de-Tilly, G0S 2C0, 418-886-2454
Emergency telephone number/restriction on use	Canada – CANUTEC 24 hour number 613-996-6666

Section 2. Hazard identification

Classification of hazardous product (name of the category or subcategory of the hazard class)

The product is not classified, according to the Globally Harmonized System (GHS) and WHMIS-2015

Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)

As this product is not classified, according to the Globally Harmonized System (GHS) and WHMIS-2015, it is important to use it with precautions.
Product particulates dust may produce frotting eyes irritation

P102 Keep out of reach of children. P261 Avoid breathing dust. Avoid contact with eyes or skin. P264 Wash hands thoroughly after handling. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor. P331 Do NOT induce vomiting.
P305+P351 IF IN EYES: Rinse caustiously with water for several minutes. P313 Get medical attention.
P302+P352 IF ON SKIN: Wash with plenty of water. P332+P313 If skin irritation occurs: Get medical attention. P362+P364 Take off contaminated clothing and wash it before reuse.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER or doctor if you feel unwell. P501 Dispose of contents and container in accordance with local regulation.

Other hazards known	None

Section 3. Composition/information on ingredients

Chemical name (common name/synonyms)	**CAS number or other**	**Concentration (%)**
The specific chemical identity and/or exact percentage composition has been withheld as a trade secret.		Secret
Diatomaceous Earth	61790-53-2	
Extract from algae (Ascophyllum nodosum)	84775-78-0	
Bacillus Subtilis		
Bacillus Megaterium		

Section 4. First-aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Ingestion	IF SWALLOWED: Immediately call a doctor. DO NOT INDUCE VOMITING. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
Skin contact	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention.
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (15-20 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. If eyes irritation occurs: Get medical attention..
Most important symptoms and effects (acute or delayed)	
Indication of immediate medical attention/special treatment	In all cases, call a doctor. Do not forget this document.

Section 5. Fire-fighting measures

Specific hazards of the hazardous product (hazardous combustion products)

Carbon oxides and other irritant/toxic gases and fumes.

Suitable and unsuitable extinguishing media

In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.

Special protective equipment and precautions for fire-fighters

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

Methods and materials for containment and cleaning up

Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Section 7. Handling and storage

Precautions for safe handling

Wear gloves/protective clothing/eye protection/face protection.
Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

Section 8. Exposure controls/Personal protection

Control parameters (biological limit values or exposure limit values and source of those values)

Exposure limits: ACGIH – TLV-TWA & PEL-TWA None;

Appropriate engineering controls

Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Individual protection measures/personal protective equipment

Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent dust from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

Section 9. Physical and chemical properties

Appearance, physical state/colour	Powder/ Beige	**Vapour pressure**	Not Applicable
Odour	Earthy	**Vapour density**	Not Applicable
Odour threshold	Not available	**Relative density**	1.05±0.05 g/cc (20°C)
pH	Not Applicable	**Solubility**	Insoluble (Water)
Melting/freezing point	Not available	**Partition coefficient - n-octanol/water**	Not Applicable
Initial boiling point/range	Not available	**Auto-ignition temperature**	Not Applicable
Flash point	Not Applicable	**Decomposition temperature**	Not available
Evaporation rate	Not Applicable	**Viscosity**	5000-6000 (cps @ 20°C)
Flammability (solids and gases)	Not available	**VOC**	Not available
Upper and lower flammability/explosive limits	Not available	**Other**	None known

Section 10. Stability and reactivity

Reactivity

Does not react under the recommended storage and handling conditions prescribed.

Chemical stability

Stable under the recommended storage and handling conditions prescribed.

Possibility of hazardous reactions

Stable under the recommended storage and handling conditions prescribed.

Conditions to avoid (static discharge, shock or vibration)

Stable under the recommended storage and handling conditions prescribed.

Incompatible materials

Strong oxidizing materials; strong bases and acids.

Hazardous decomposition products

None known

Section 11. Toxicological information

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)

May causes slight skin and eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Eye and skin irritation, redness, tearing.

Delayed and immediate effects (chronic effects from short-term and long-term exposure)

Skin Sensitization – No data available; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA Reproductive Toxicity – No data available; Specific Target Organ Toxicity — Single Exposure – No data available; Specific Target Organ Toxicity — Repeated Exposure – Possible; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.

Numerical measures of toxicity (ATE; LD_{50} & LC_{50})

Not available
ATE not available in this document.

Section 12. Ecological information	
Ecotoxicity (aquatic and terrestrial information)	
No data available for this product.	
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available
Section 13. Disposal considerations	
Information on safe handling for disposal/methods of disposal/contaminated packaging	
Dispose of contents/container into safe container in accordance with local, regional or national regulations.	
Section 14. Transport information	
UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations	
Not regulated by TDG Regulations	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)	
Not regulated by IMDG Code	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)	
Not regulated by IATA Code	
Special precautions (transport/conveyance)	None
Environmental hazards (IMDG or other)	None known
Bulk transport (usually more than 450 L in capacity)	Possible
Section 15. Regulatory information	
Safety/health Canadian regulations specifics	Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
Environmental Canadian regulations specifics	Refer to Section 3 for ingredient(s) of the DSL
Safety/health/environmental outside regulations specifics	
None known	
Section 16. Other information	
Date of the latest revision of the safety data sheet	March 06, 2018 / Version 01
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.
Abbreviations	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.