


SOLU-DRAIN

SECTION 1 - IDENTIFICATION

Product identification :	SOLU-DRAIN
Product code :	SD-04
Product Use / Description	BIOTECHNOLOGICAL TREATMENT FOR DRAINS AND PIPES
Chemical name :	Mixture
Chemical group :	Mixture
Supplier identifier :	SOLUTION ENBIOTECH PLUS 60, Beauvais street Delson, Qc J5B 1W8
Manufacturer identifier :	SOLUTION ENBIOTECH PLUS 60, Beauvais street Delson, Qc J5B 1W8
Emergency phone :	Canutec (316) 996-6666 24 hrs

SECTION 2 - HAZARD IDENTIFICATION

Classification	Skin sensitizer - Category 1B Skin irritation - Category 3 Eye irritation - Category 2 B	
Signal word	WARNING	
Hazard statement	H317 May cause allergic skin reaction. H316 May cause mild skin irritation. H320 Causes eye irritation.	
Precautionary advice - Prevention	P103 Read label before use.	
Precautionary Advice - Response	P305+P351+P338 IN CASE OF EYE CONTACT: Rinse cautiously with water for several minutes. Remove the contact lenses if the victim is wearing them and if they can be easily removed. Continue to rinse at least 15 minutes and get medical attention. P337+P313+P333 If eye irritation or irritation / skin rash persists, seek medical advice.	
Precautionary Statement - Disposal	P501 Dispose of contents / container in accordance with municipal, provincial and federal regulations.	

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	No. CAS	% (Weight)
Proprietary blend	N/A	2 – 7%
viable bacterial culture	N/A	0.5 – 1%

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

SECTION 4 - FIRST AID MEASURE

Inhalation :	IF INHALED: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.
Skin contact :	IN CAS OF SKIN CONTACT: In case of irritation or rash: seek medical advice. Remove contaminated clothing / jewelry and wash before reuse.
Eye contact :	IN CASE OF EYE CONTACT: Rinse cautiously with water for several minutes. Remove the contact lenses if the victim is wearing them and if they can be easily removed. Continue to rinse at least 15 minutes and get medical attention.
Ingestion :	DO NOT INDUCE VOMITING! Never give fluids if patient is unconscious. Keep person warm and calm. In all cases of doubt, or when symptoms persist, seek medical advice.

SOLU-DRAIN

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media :	In case of fire: use water, universal foam, dry chemicals, CO2 for instinction.
Unsuitable extinguishing media :	A powerful jet of water directed directly into the product generates a lot of foam.
Hazardous Combustion Products :	Carbon oxides, nitrogen oxides.
Protective equipment :	Self contained breathing apparatus and full protective clothing NIOSH approved must be worn in case of fire.
Special precaution :	Retain water runoff.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection :	Wear plastic or rubber gloves if large amounts of bulk are handled. (See Section 8)
Containment and clean up :	Ventilate area of spill. Stop the flow if it can be done safely. Contain and absorb with inert absorbent material for subsequent disposal (see Section 13). Prevent material from entering waterways or sewers. Retain runoff water if applicabel. Inform the competent authorities if necessary.
Environmental Precautions :	Dispose in accordance with municipal, provincial and federal regulations. The organic matter contained in this product is biodegradable.

SECTION 7: HANDLING AND STORAGE

Safe Handling Procedures :	Containers must be identified. Handle in a well ventilated area. Avoid contact with skin and clothing. Keep container tightly closed. Store at room temperature and do not exceed 35 ° C. Observe good personal hygiene before eating, drinking or smoking. Do not eat, drink or smoke while handling this product or in the vicinity. Wash contaminated clothing before reuse.
Requirements for storage :	Store in a well-ventilated area. Keep cool. Keep away from incompatible materials. Keep containers closed. Avoid freezing.
Incompatible materials :	Strong oxidizing agents, acids. The product does not polymerize.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits :	OSHA PEL		ACGIH TLV	
Ingredients	TWA	STEL	TWA	STEL
Proprietary blend	Not available	Not available	Not available	Not available

Engineering measures :	Adequate ventilation is recommended.
Respiratory Protection :	Not required if ventilation is adequate.
Protective equipment and clothing :	Wear chemical / impermeable gloves or other protective clothing to prevent repeated or continuous contact with the skin during handling and usage. Wear goggles to prevent mist, vapours or dust to contact eyes. Insure that eyewash stations, showers and cleaning stations are near to work station.
General hygiene recommendations :	Avoid contact with skin and eyes. Avoid breathing dust, vapours or mists. Never eat, drink or smoke near work stations. Good hygiene is recommended after using this product. Clean clothing before reuse.

SOLU-DRAIN

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	Blue translucent liquid
Odour :	Lemon
Odour threshold :	Not available
pH :	6.5 - 8.5
Melting point :	Not applicable
Initial boiling point :	Not applicable
Flash point :	> 93°C
Evaporation rate (butyl acetate = 1) :	> 1.0
Inflammability :	Not applicable
LIL :	Not applicable
UIL :	Not applicable
Vapor pressure :	Not available
Vapor Density (air = 1) :	Not available
Relative Density :	1.0- 1.01 g/mL
Solubility :	Soluble
Partition Coefficient (n-octanol/water) :	Not available
Auto-ignition temperature :	Not available
Decomposition temperature :	Not available
Volatile :	Not available
Viscosity :	<200cPs (Brookfield RV #4 at 20 rpm)

SECTION 10: STABILITY AND REACTIVITY

Stability and reactivity :	Stable under recommended and prescribed handling and storage conditions.
Polymerization :	No
Condition to avoid :	Contact with incompatible materials
Materials to Avoid :	Strong oxidizers, acids
Hazardous decomposition products :	Carbon oxide

SECTION 11: TOXYCOLOGICAL DATA

Toxicological data :				
Hazardous Ingredients	No. CAS	% (Weight)	DL₅₀ (Species pathway)	CL₅₀ (Species)
Proprietary blend	N/A	2 - 7%	Oral (rat) >2000 mg / Kg	Not available

Route of administration: Inhalation, cutaneous, ocular, ingestion.	
Short-term exposure (acute) :	
Inhalation :	Not applicable
Skin :	May cause a rash and / or dry skin
Eyes :	May cause eye irritation
Ingestion :	Nausea, diarrhea, vomiting and abdominal cramps.
Long term exposure (chronic) :	
Inhalation :	Not available
Skin :	Not available
Eyes :	Not available
Ingestion :	Not available
Carcinogenicity :	Not carcinogenic according to IARC
Teratogenicity :	Not available
Mutagenicity :	Non-mutagenic
Target organ :	Not available
Conditions aggravated by exposure :	Not available

SOLU-DRAIN

SECTION 12: ECOLOGICAL INFORMATION

Hazardous Ingredients	No. CAS	% (Weight)	Value	Species
Proprietary blend	N/A	2 - 7%	Not available	Not available

Persistence and biodegradation :	The product is rapidly biodegradable
Bioaccumulation potential :	Not bioaccumulative
Mobility in soil :	Not available
Other adverse effects :	Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste storage and handling conditions :	Store material for disposal and contaminated packaging as described in Section 7 Handling and Storage.
Methods of disposal :	Disposal of all waste must be done in accordance with municipal, provincial and federal regulations

SECTION 14: TRANSPORT INFORMATION

UN Number	Proper shipping name	Class	Packaging Group	Placard
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

SECTION 15: REGULATORY INFORMATION

Canadian Environmental Protection Act :	The components of the product are listed on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL), or are exempt.
Other:	The components of this product are listed on the TSCA list or are exempt.

SECTION 16: OTHER INFORMATION

Prepared by :	Solutions Enbiotech Plus 60, Beauvais street Delson, Qc, J5B 1W8
Phone number :	(450) 638-3344
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Abbreviations :	
ACGIH	Américan Conference of Gorvermmntal Industrial Hygienists
AIHA	Américan Industrial Hygiene Association
CAS	Chemical Abstract Service
CL / LC	Concentration Létale / Lethal Concentration
DL / LD	Dose Létale / Lethal Dose
IARC	International Agency for Research on Cancer
LES	Liste Extérieur des Substances / Non-Domestic Substances List (NDSL)
LIS	Liste Intérieur des Substances / Domestic Substances List (DSL)
NIOSH	National Institute for Occupational Safety and Health
ACGIH	Américan Conference of Gorvermmntal Industrial Hygienists
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
ACGIH	Américan Conference of Gorvermmntal Industrial Hygienists
PEL	Permissible Exposure Limit
SIMDUT	Système d'Information sur les Matières Dangereuse Utilisées au Travail
STEL	Short-Term Exposer Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
USEPA	United States Environmental Protection Agency
WHMIS	Workplace Hazardous Materials Information System

All information indicated in the present document are based on data supplied by recognized technical sources. Although the information is believed to be accurate, the manufacturer makes no representation as to its accuracy or sufficiency. Users are responsible for verifying the data themselves in accordance with their operating conditions to determine if the product is suitable for the intended applications. The information relates only to the product indicated herein and is not intended for use with any other material or process.