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MATERIAL SAFETY DATA SHEET

NATURALSOLVE

SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION
HMIS

CHEMICAL FAMILY
CHEMICAL FORMULA
MOLECULAR WEIGHT
MATERIAL USE

WHMIS CLASS D-2B:
HEALTH 0, FLAMMABILITY 0, REACTIVITY 0,
PERSONAL PROTECTION A
BACTERIA CULTURES
MIXTURE
NOT APPLICABLE
BIOLOGICAL DIGESTER

SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENT
APPROX. CONCENTRATION %
CAS
EXPOSURE LIMITS
LD50/LC50/SPECIES/ROUTE

VIABLE BACTERIA CULTURES (non-pathogenic)
1-5
NOT AVAILABLE
NOT AVAILABLE
NOT AVAILABLE

SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE
ODOUR AND APPEARANCE
ODOUR THRESHOLD (PPM)
SPECIFIC GRAVITY
VAPOUR PRESSURE (MM)
VAPOUR DENSITY (AIR =1)
EVAPORATION RATE
BOILING POINT (°C)
FREEZING POINT (°C)
SOLUBILITY IN WATER (20°C)
% VOLATILE (BY VOL.)
PH
DENSITY (G/ML)
COEFFICIENT OF WATER/OIL DISTRIBUTION

LIQUID
MILD ODOUR, AMBER LIQUID
NOT AVAILABLE
1
NOT APPLICABLE
NOT AVAILABLE
1
100°C
0°C
SOLUBLE
>95
6
1
NOT APPLICABLE

SECTION 4 FIRE AND EXPLOSION DATA

FLAMMABILITY
MEANS OF EXTINCTION

SPECIAL PROCEDURES
FLASHPOINT (°C) AND METHOD

NON-FLAMMABLE
USE EXTINGUISHING MEDIA FOR SURROUNDING
MATERIALS
NOT AVAILABLE
NONE

UPPER EXPLOSION LIMIT (% BY VOL.)	NOT APPLICABLE
LOWER EXPLOSION LIMIT (% BY VOL.)	NOT APPLICABLE
AUTO-IGNITION TEMPERATURE (°C)	NOT APPLICABLE
HAZARDOUS COMBUSTION PRODUCTS	NOT APPLICABLE
EXPLOSION SENSITIVITY TO CHEM. IMPACT	NOT AVAILABLE

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY	STABLE
INCOMPATIBILITY? TO WHAT?	STRONG ACIDS OR BASES MAY INACTIVATE CULTURES
REACTIVITY	NONE
HAZARDOUS DECOMPOSITION PRODUCTS	OXIDES OF CARBON

SECTION 6 TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT Y/N	Y
ROUTE OF ENTRY SKIN ABSORPTION Y/N	N
ROUTE OF ENTRY EYE CONTACT Y/N	Y
ROUTE OF ENTRY INHALATION ACUTE Y/N	N
ROUTE OF ENTRY INHALATION CHRONIC Y/N	N
ROUTE OF ENTRY INGESTION Y/N	Y
EFFECTS OF ACUTE EXPOSURE	CONTACT CAN CAUSE MILD IRRITATION AND REDNESS OF EYES. CONTACT WITH ABRADED SKIN MAY RESULT IN INFECTION. BACTERIA CULTURE IS NON-PATHOGENIC. NAUSEA, VOMITING OR DIARRHEA MAY RESULT FROM INGESTION.
EFFECTS OF CHRONIC EXPOSURE	NONE KNOWN
SYNERGISTIC MATERIALS	
CARCINOGENICITY Y/N	N
REPRODUCTIVE EFFECTS Y/N	N
TERATOGENICITY Y/N	N
MUTAGENICITY Y/N	N

SECTION 7 PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT	
GLOVES	RUBBER OR LATEX
EYEWEAR	SAFETY GLASSES
FOOTWEAR	AS REQUIRED BY EMPLOYER CODE
CLOTHING	AS REQUIRED BY EMPLOYER CODE
ENGINEERING CONTROLS	GENERAL VENTILATION IS NORMALLY ADEQUATE.
LEAK AND SPILL PROCEDURE	WASH AREA WITH WATER.
WASTE DISPOSAL	REVIEW FEDERAL, PROVINCIAL AND LOCAL GOVERNMENT REQUIREMENTS PRIOR TO DISPOSAL.
HANDLING PROCEDURES/EQUIPMENT	STORE IN A CLOSED CONTAINER, AWAY FROM INCOMPATIBLE MATERIALS.
STORAGE REQUIREMENTS	DO NOT FREEZE AND DO NOT STORE ABOVE 40° C

SECTION 8 FIRST AID MEASURES

SKIN	FLUSH WITH WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. AVOID CONTACT WITH OPEN WOUNDS OR BROKEN SKIN. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
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EYE

FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INGESTION

GIVE AFFECTED PERSON SEVERAL GLASSES OF WATER AND INDUCE VOMITING. SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

VALIDATED BY YORK CHEMICAL TECHNOLOGIES INC

ON 30/04/2010.

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