

Material Safety Data Sheet

EnviroZyme MM

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STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to the criteria of Worksafe Australia.



PRODUCT

PRODUCT NAME:	ENVIROZYME MM
Other Names:	MULTI BAC SEWAGE & GT MICROBIAL PACKAGE
Manufacturer's Product Code:	ES-EZMM-01
UN number:	No UN Number allocated.
Dangerous good class and Subsidiary Risk:	No dangerous goods class allocated.
HAZCHEM Code:	No HAZCHEM Code allocated
Poisons Schedule:	Nil
Use:	Degradation of hydrocarbon wastes. This product cannot be used in conjunction with highly caustic or acidic liquids.



PHYSICAL DESCRIPTION / PROPERTIES

Appearance:	Form: Liquid. Colour: Tan Odor: Nil
Boiling / melting point:	100° Celsius however effectivity is destroyed at temperatures over 45° Celsius.
Vapor Pressure:	As for water @ 20° Celsius.
Viscosity:	As for water @ 20° Celsius.
Specific gravity:	As for water @ 20° Celsius.
Flash point:	Not relevant
Flammability limits:	Not flammable.
Solubility in Water:	Soluble.



OTHER

Shock sensitivity:	Nil.
Oxidizing properties:	Nil.
Corrosiveness:	Nil.
Reactivity with common substances:	None known.
Autoignition properties:	Nil.
Evaporation rate:	As for water @ 20° Celsius.
Odour:	Slight "fermentative must". (Note: Wafting recommended over smelling).
pH at 100%	Neutral (pH7)
Bio-degradability:	100%
Percent Volatiles:	Nil.
Volatile organic compounds:	Nil.

HEALTH HAZARD INFORMATION



ACUTE EFFECTS

EnviroZyme MM contains no material classified as hazardous by Worksafe Australia. It is of low risk of causing infection. To avoid opportunistic wound infections or allergic reactions, exposure to bare skin or to air borne aerosols should be minimized.

Swallowed:	No evidence of any adverse activity to humans has been reported by any of the consortia of microbes used in this preparation. Acute effects could arise in the form of diarrhoea and vomiting from the salt solution that forms part of the suspension media.
Inhaled:	Exposure to aerosols represents very little danger to healthy individuals. Aerosols may compromise the respiratory system of individuals who have respiratory conditions. The likely danger is asthma / allergic type respiratory reactions.
Skin Contact:	May cause mild irritation to sensitive, damaged or broken skin. Immediate action should be taken to avoid opportunistic infection to damaged or broken skin.
Eye Contact:	Mild irritation & redness. Possibility of opportunistic infection.

CHRONIC EFFECTS

There have been no reports in the literature of health effects in workers arising from long term exposure to this product and no comprehensive studies have been conducted. No animal studies have been conducted for long term effects.



FIRST AID

Swallowed:	In the event of swallowing induce vomiting and consult a doctor.
Inhaled:	Remove to fresh air or ventilated area if required. Consult doctor if symptoms persist. Consult Doctor immediately if the individual is known to suffer asthma or other respiratory conditions.
Skin Contact:	Remove contaminated clothes & rinse thoroughly with water. Broken skin should be washed with an iodophore or other suitable disinfectant.
Eye Contact:	Flush with copious quantities of water for at least 15 minutes. Seek medical attention for prophylactic treatment.
Advice to Doctor:	Treat symptomatically. For further information contact the Poisons Information Centre.
Poisons Information:	To contact Poisons Information Centre – Telephone 131126.



PRECAUTIONS FOR USE

Ventilation:	Local exhaust or normal room ventilation.
Engineering / Processing Controls:	Ensure adequate ventilation is provided.
Personal Protection:	Gloves – recommended.
Eye Protection:	Goggles recommended in areas where aerosols may be a problem.
Respirator type:	Recommended in areas where aerosols may be a problem or in cases in which the user may be asthmatic or have a respiratory condition. Such individuals should consult their Doctor before handling this product.
Flammability precautions:	This product does not represent a fire hazard.



PRECAUTIONS FOR SAFE HANDLING

Storage Containers:	Normal storage in plastic or containers supplied.
Separation:	Nil
Temperature:	Store in temperatures from 4-25° Celsius.
Climate:	Nil.
Bunding:	Nil.
Reactivity:	None known. This product is not suitable for use with products that are considered strong alkalis or acids.
Other:	Protection from Weather. Temperatures of 45° Celsius and above will markedly reduce the effectiveness of this product.
Transport:	No special transport requirements.
Spillage & leakage procedures:	Product may be neutralized by mixing 10ml of bleach per litre and allowing to stand for 15 minutes.
Waste Disposal:	Dispose of as per local regulations.

FIRE / EXPLOSION HAZARDS

Fire / Explosive hazard:	Nil.
Extinguishing Methods:	Not applicable.



INGREDIENTS

Chemical Name:	Contains microbial ingredients suspended in a saline based culture medium
CAS Number:	Nil
Proportion:	100%

Other notes: Information contained in this MSDS sheet is based on currently available information. Every care has been taken to ensure its completeness at the time of preparation. No liability is assumed for the accuracy or completeness on the information presented. Any material may present health hazards that are not known at the time of the preparation of this advice. As such, the final determination of a product's suitability, for a given purpose, is the sole responsibility of the end user.

As it is not possible to predict every possible situation and use of this product, users are encouraged to contact EnviroSmart should they have any questions regarding the safe application of this product.