

SDS BioEnzymes ENVIRO CLEANER

SECTION	IDENTIFICATION		
Product Name BioEnzymes ENVIRO CLEANER			
UN Number	Not applicable N/A	HAZCHEM CODE	N/R use 2[T]
Dangerous Goods	III	Poisons Schedule	
Class Packaging Group	All purpose cleaner		Not listed - N/A
Uses	COMPOSITION		
SECTION 2	CHEMICAL DESCRIPTION	CAS No.	Proportion %
Surfactants - Nonionic		Proprietary blend	
Surfactants - Cationic		Proprietary blend	<10%
Chelating agents		139-13-1	<5%
Icinol DPM		34590-94-8	<10%
Silicate buffer / corrosion inhibitor		6834-92-0	<10%
Acid red colourant		12217-34-4	<10%
Tartrazine yellow colourant		1934-21-0	<0.0005%
Brilliant green colourant		633-03-4	<0.005%
Deionised water		7732-18-5	<0.005%
SECTION 3	HAZARDS IDENTIFICATION	Balance	
Most Important Hazards	Eye Irritant Defatting of skin on prolonged exposure		
Adverse human health effects	Mild eye irritant, non-mutagenic, non-carcinogenic. No ingredient in Enviro Cleaner is listed in ACGIH as potential cancer agent.		
Environmental effects	Environmentally friendly, Enviro Cleaner rapidly biodegrades into simple non-harmful components, does not contain Phosphates.		
Physical and Chemical Hazards	No known physical or chemical hazards		
Further hazards	If swallowed; discomfort, In eyes; Irritation and redness, On skin Slight irritation possible, If atomized and inhaled, throat irritation may occur.		
Classification / Specific hazards	Not applicable		
SECTION 4	FIRST AID MEASURES		
Contact with skin	Flush with water, remove contaminated clothing		
If swallowed	Drink milk or water. Do not induce vomiting. Obtain medical attention.		
Contact with eyes	Flush with water for 15 minutes. Obtain medical attention if irritation persists.		
Inhalation	Move to fresh air		
Other Information			
SECTION 5	FIRE - FIGHTING MEASURES		
Extinguishing media			
- Suitable	All fire-fighting media, Water, CO ₂ , Foam & DCP		

- Not suitable	None known
Specific Hazards	Non-flammable, non-explosive. No special procedures required
SECTION 6	ACCIDENTAL RELEASE MEASURES
Personal Precautions	Suitable working clothes, boots, safety glasses and gloves.
Environmental Precautions	Avoid bulk spillages reaching drains.
Methods for cleaning up	Recover usable material by convenient method. Residues may be recovered by a wet mop or be wiped up. Unrecovered residues may be washed to the drain with copious quantities of water, beware of any foreign materials picked up in the Enviro Cleaner.
SECTION 7	HANDLING AND STORAGE
Handling	No special measures required
Technical measures	Use usual precautions when opening containers and decanting product.
Storage	
Technical measures	No special precautions / measures required, best stored in a cool, dry, well ventilated place..
Storage conditions	No special precautions required, preferred in covered well ventilated area, store out of direct sunlight.
Incompatible products	None known
Packaging	5 litres, 20 litres and 200 litres
Packaging Materials	
- Recommended	Packaging group III, PP or PVC plastic preferred
- Not Suitable	None known
SECTION 8	EXPOSURE CONTROLS / PERSONAL PROTECTION
Engineering measures	Special ventilation not required unless atomizing in which case local exhaust extraction recommended and/or face mask and cartridge suitable for water based aerosols.
Personal protective equipment	
Hand protection	Rubber or PVC gloves
Eye protection	Safety glasses
Skin and body protection	Normal work clothes
SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
Appearance	Pale green, thin liquid
Physical state	
Form	Thin liquid
Colour	Pale green
Odour	Slight glycol ether odour 11.0
pH	- 11.5 (Undiluted)
Specific temperatures	
Freezing	<0°C
Boiling	~100°C
Flammability characteristics	
Flash point	None detected on closed cup test
Oxidizing properties	None known
Specific gravity	1.07 g / cm ⁻³
Solubility	
In water	Completely miscible
In organic solvents	Not determined
SECTION 10	STABILITY AND REACTIVITY

Stability	Non-reactive, stable
Hazardous reactions	Under conditions of fire no expected reaction with water or oxidizers.
Materials to avoid	None known
Hazardous decomposition products	Hazardous polymerization will not occur
SECTION 11	TOXICOLOGICAL INFORMATION
Acute toxicity	Low toxicity
	Continuous exposure to concentrated material will cause tissue damage due to pH > 10
Local effects	Dermal effects - only mild but reversible
Sensitisation	None known
SECTION 12	ECOLOGICAL INFORMATION
Mobility	Disperses rapidly as a thin liquid
Biodegradability	Readily biodegradable and decomposed by naturally occurring organisms.
Ecotoxicity	Considered non-lethal to most marine animals at concentrations below 200 mg/L. Will reduce local water oxygen content if entering streams undiluted.
	Alkali pH effect will rapidly disperse with dilution and will not persist.
SECTION 13	DISPOSAL CONSIDERATIONS
Waste from residues	Enviro Cleaner is completely water miscible /soluble and will not harm organisms required for sewerage treatment if disposal to sewer becomes unavoidable.
	Dispose of this product in accordance with local, (provincial), state and federal laws.
Contaminated Packaging	Dispose of in accordance with laws, containers can be cleaned up for recycling by rinsing out thoroughly.
SECTION 14	TRANSPORT INFORMATION
UN Number	Not applicable
Hazchem	Not applicable {best to treat as 2[T]}
Dangerous Goods Class and Subsidiary Risk	Not applicable
Packaging Group	III
SECTION 15	REGULATORY INFORMATION
Labelling	
- Risk Phrases	Not applicable
- Safety Phrases	Not applicable
Classifications / Symbols	None
Note	
SECTION 16	OTHER INFORMATION
Uses	Enviro Cleaner is a completely and rapidly biodegradable cleaner. Enviro Cleaner is very concentrated and provides rapid penetration and removal of most soils of a variety of surfaces.
	In many cases Enviro Cleaner is diluted for optimum results and maximum economy. Enviro Cleaner is also seawater compatible for marine applications and can be used on any washable surface.

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This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. The responsibility for products sold is subject to our standard terms and conditions. Please read all labels carefully before using product.

CHEMIST:	G.A.L. Paul, FRACI, FIChE, CP Chem, CEng, CChem, MFACS (Life), CSci, MAIE.	DATE PREPARED;	January 2021
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