



ENVIRO TECHNOLOGIES PACIFIC PTY LTD

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Material Safety Data Sheet

SECTION 1		IDENTIFICATION	
Product Name ENVIRO VEHICLE WASH			
UN Number	None allocated	HAZCHEM CODE	N/R use 2[T]
Dangerous Goods Class	Non DG		
Packaging Group	III	Poisons Schedule	Not Applicable
Uses	Vehicle Cleaning Detergent		
SECTION 2		COMPOSITION	
CHEMICAL DESCRIPTION		CAS No.	Proportion %
Sequestering Agents			<10%
Surfactant Blend		Proprietary blend	<10%
Complex Alcohols			<10%
Acrylic Polymer			<1%
Water		7732-18-15	Balance
SECTION 3		HAZARDS IDENTIFICATION	
Most Important Hazards			
Adverse human health effects	In concentrated form, defatting of tissue		
Environmental effects	>98% Biodegradability, Aquatic toxicity LC 50 of Surfactant on Brown Shrimp = 200		
Physical and Chemical Hazards	Not regulated as dangerous goods		
Further hazards	None known		
Classification / Specific hazards	Not relevant, non-hazardous		
SECTION 4		FIRST AID MEASURES	
Contact with skin	Remove any contaminated clothing and flush with water. Obtain medical attention if contact is extensive or prolonged.		
Ingestion / swallowed	Do not induce vomiting. Give 2 glasses of water and obtain medical attention.		
Contact with eyes	Immediately flush eyes with running water for 15 minutes. Obtain medical attention		
Inhalation	Unlikely route unless atomized. Move to fresh air and obtain medical attention if shortness of breath develops.		
Other Information			
SECTION 5		FIRE - FIGHTING MEASURES	
Extinguishing media			
- Suitable	Non combustible – compatible with most agents, foam, water, CO ₂ , DCP.		
- Not suitable	None known		
Specific Hazards	None known		

SECTION 6	ACCIDENTAL RELEASE MEASURES
Personal Precautions	Goggles for splash, gloves (PVC or Rubber) for contact, gum or waterproof boots, normal work clothes
Environmental Precautions	No special precautions needed
Methods for cleaning up	Recover bulk spills into suitable container, hose down residues with copious amounts of water
SECTION 7	HANDLING AND STORAGE
Handling	
Technical measures	No special precautions needed apart from good manufacturing practice or good housekeeping practices.
Storage	
Technical measures	No special precautions needed
Storage conditions	No special precautions needed, ideally stored in a cool place under cover.
Incompatible products	None known
Packaging	
Packaging Materials	Group III packaging
- Recommended	Plastic containers
- Not Suitable	Not recommended in black iron containers
SECTION 8	EXPOSURE CONTROLS / PERSONAL PROTECTION
Engineering measures	Not normally required, recommended to trap splash and mists if application through a pressure hose
Personal protective equipment	(See also Section 6)
Hand protection	PVC or Rubber gloves
Eye protection	Splash goggles or safety glasses
Skin and body protection	Normal work clothing
SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
Appearance	
Physical state	Thin liquid
Form	Low viscosity (thin) liquid
Colour	Light blue
Odour	Essentially odourless
pH	11.0 - 11.9 (undiluted)
Specific temperatures	
Freezing	Not measured
Boiling	~100 °C
Flammability characteristics	
Flash point	No flash point
Oxidizing properties	Nil
Specific gravity	~1.04 g cm ⁻³
Solubility	
In water	Fully miscible in water
In organic solvents	Not soluble, solvents will "break" to form 2 layers
SECTION 10	STABILITY AND REACTIVITY
Stability	Stable

Hazardous reactions	None known
Materials to avoid	None known
Hazardous decomposition products	None known
SECTION 11	TOXICOLOGICAL INFORMATION
Acute toxicity	Non toxic, risk by ingestion that ingested product may foam and foam could be inhaled.
Local effects	Defatting of tissue on prolonged exposure
Sensitisation	None known / none recorded
SECTION 12	ECOLOGICAL INFORMATION
Mobility	Product is extremely mobile as a relatively thin liquid
Biodegradability	>90% - biodegradability also expected to be rapid
Ecotoxicity	Very low
SECTION 13	DISPOSAL CONSIDERATIONS
Waste from residues	Separate any oils or greases picked up during cleaning operations, once separated, water and product will rapidly biodegrade to non hazardous waste water.
Contaminated Packaging	Dispose of with solid wastes.
SECTION 14	TRANSPORT INFORMATION
UN Number	Not relevant – product non-hazardous
Hazchem	2 [T] [Not regulated but recommended]
Dangerous Goods Class and Subsidiary Risk	Non DG, no subsidiary risk
Packaging Group	III
SECTION 15	REGULATORY INFORMATION
Labelling	
- Risk Phrases	Not relevant
- Safety Phrases	Not relevant
Classifications / Symbols	None required
Note	
SECTION 16	OTHER INFORMATION
Uses	VEHICLEWASH is designed for vehicle cleaning through high pressure spray equipment although manual application can be used successfully also. VEHICLEWASH contains a blend of detergents that cut rapidly through road film and exert a powerful emulsifying action. It also contains corrosion inhibitors and an anti-stat to reduce subsequent dirt pick up and/or corrosion.

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, FIChemE, MFACS, CPChem, CEng, CSci, CChem	DATE PREPARED;	January 2008
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