



ENVIRO TECHNOLOGIES PACIFIC PTY LTD

P.O Box 3194, Darra, Qld, 4076 Australia
 Website: www.envirotechnology.com.au

Tel: (07) 3713 7999 Fax: (07) 3713 7990
 Email: info@envirotechnology.com.au

Material Safety Data Sheet

SECTION 1		IDENTIFICATION	
Product Name: ENVIRO DEGREASER			
UN Number	N/A	HAZCHEM CODE	N/R use 2[T]
Dangerous Goods Class	N/A		
Packaging Group	III	Poisons Schedule	N/A
Uses	Degreasing	Cleaning	
SECTION 2		COMPOSITION	
CHEMICAL DESCRIPTION		CAS No.	Proportion %
Non-ionic surfactants		Proprietary blend	<10%
Cationic surfactants		Proprietary blend	<10%
Icinol DPM		34590-94-8	<10%
Sequestering agents			<10%
Water			Balance
SECTION 3		HAZARDS IDENTIFICATION	
Most Important Hazards		Defatting of skin on prolonged exposure. Eye irritant. Avoid breathing mist.	
Adverse human health effects			
Swallowed	Irritation, nausea / vomiting		
Eyes	Redness and irritation		
Skin	Possible dermatitis as a complication if prolonged exposure or frequent contact due to the defatting nature of this product		
Inhaled	Dizziness, nausea, if used in a confined space with no ventilation.		
Environmental effects		Rapid demulsification, biodegradable surfactants, non-poisonous, non staining, contains no aromatic hydrocarbons or phosphates.	
Physical and Chemical Hazards		None known	
Further hazards		None known	
Classification / Specific hazards		No specific hazards	
SECTION 4		FIRST AID MEASURES	
Contact with skin		Flush with water. Remove contaminated clothing and wash thoroughly before re-use	
Swallowed		Do not induce vomiting. Dilute with milk and obtain medical attention.	
Contact with eyes		Flush with water for at least 15 minutes and obtain medical attention if irritation persists	
Inhalation		Remove to fresh air	
Other Information		None known	
SECTION 5		FIRE - FIGHTING MEASURES	
Extinguishing media			

- Suitable	Not relevant – product is non-flammable
- Not suitable	Compatible with all standard extinguishing media
Specific Hazards	None known
SECTION 6	ACCIDENTAL RELEASE MEASURES
Personal Precautions	Gloves and boots recommended with sturdy work clothes, safety glasses or goggles recommended if splashing likely.
Environmental Precautions	In the event of a catastrophic spillage of concentrated material, contain the liquid and decant into suitable drums. Residues may be washed down, the active ingredients present are biodegradable.
Methods for cleaning up	Small spillages may be washed to treatment systems with water.
SECTION 7	HANDLING AND STORAGE
Handling	
Technical measures	No specific measures, see technical data sheet for more detail
Storage	
Technical measures	Store in a cool dry place
Storage conditions	No special precautions required, recommended to be stored in a cool, dry place, out of direct sunlight.
Incompatible products	None known
Packaging	5 L, 20 L and 200 Litre containers
Packaging Materials	
- Recommended	Packaging group III, plastic drums or pails recommended.
- Not Suitable	None known
SECTION 8	EXPOSURE CONTROLS / PERSONAL PROTECTION
Engineering measures	
	No specific measures nominated apart from good housekeeping and working procedures
Personal protective equipment	
Hand protection	Rubber or PVC gloves recommended for prolonged contact
Eye protection	Goggles or safety glasses in applications where there is a risk of splash or when diluting product for use.
Skin and body protection	Normal work-clothes
SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
Appearance	A clear, mobile orange liquid
Physical state	Low viscosity liquid
Form	
Colour	Clear, orange
Odour	Slight glycol ether odour
pH	11.0 - 11.9 (undiluted)
Specific temperatures	
Freezing	<0 °C

Boiling	~100 °C
Flammability characteristics	
Flash point	None measured, no flash
Oxidizing properties	None
Specific gravity	~1.06 g cm ⁻³
Solubility	
In water	Completely miscible
In organic solvents	Insoluble will break to form 2 incompatible layers
SECTION 10	STABILITY AND REACTIVITY
Stability	Stable
Hazardous reactions	None known
Materials to avoid	None known
Hazardous decomposition products	No known hazardous decomposition products
SECTION 11	TOXICOLOGICAL INFORMATION
Acute toxicity	Low toxicity
Local effects	Defatting of skin on prolonged exposure
Sensitisation	Has not been observed
SECTION 12	ECOLOGICAL INFORMATION
Mobility	Product has low viscosity and is extremely mobile
Biodegradability	Product is formulated to be readily biodegradable
Ecotoxicity	Only effect is expected in concentrated solutions as surfactants will assist in reducing local dissolved oxygen levels
SECTION 13	DISPOSAL CONSIDERATIONS
Waste from residues	In small quantities or in dilute form will naturally degrade. Large quantities should be picked up into drums and taken to Waste Disposal Authority for treatment.
Contaminated Packaging	Dispose in a suitable waste tip as non-hazardous packaging.
SECTION 14	TRANSPORT INFORMATION
UN Number	Not listed or relevant
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	No specific hazard present
- Risk Phrases	
- Safety Phrases	Avoid contact with skin. Avoid breathing mist.
Classifications / Symbols	None required
Note	
SECTION 16	OTHER INFORMATION
Uses	Enviro Degreaser is a formulated combination of wetting agents, emulsifiers and performance fluids, designed to give an effective, environmentally safe degreasing system. Fast break emulsifiers make this product ideal for industrial situations where a grease trap is employed and effluent must be controlled.
Applications	Automotive, motorcycle and all mechanical degreasing, industrial equipment degreasing, removal of heavy grease and oil, contaminated concrete floors, a solvent in ultrasonic cleaning machines etc.

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, MAIE, MFACS (Life), CSci, CPChem, CEng	DATE PREPARED;	January 2008
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