



designed for people and the environment

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Material Safety Data Sheet

SECTION 1		IDENTIFICATION	
Product Name Enviro Fast Break Degreaser			
UN Number	N/A	HAZCHEM CODE	2[Z]
Dangerous Goods Class	N/A		
Packaging Group	III	Poisons Schedule	Not Listed
Uses	Cleaner / Degreaser		Environmental fast break of liquid phases
SECTION 2		COMPOSITION	
CHEMICAL DESCRIPTION		CAS No.	Proportion %
Anionic Sulphonated Surfactant		98-11-3 Na Salt	<10%
Oxygenated Solvent			<10%
Oleic Based Nonionic Surfactant		Not listed	<5%
Water		7732-18-5	Balance
SECTION 3		HAZARDS IDENTIFICATION	
Most Important Hazards	Product is non-hazardous		
Adverse human health effects	Irritant to eyes and skin. If swallowed may cause irritation and discomfort / nausea.		
Environmental effects	Rapid fast breaking of liquid phases (oil/water), rapid decomposition of components in the environment leaving no persistent toxic products		
Physical and Chemical Hazards	None known		
Further hazards	Irritant to eyes and skin, if swallowed may cause irritation and discomfort, possible nausea.		
Classification / Specific hazards	Not relevant		
SECTION 4		FIRST AID MEASURES	
Contact with skin	Flush with water		
Contact with eyes	Flush eyes with running water for 15 minutes to clear all traces of product from eyes		
If Swallowed	Do not induce vomiting. Dilute by drinking water, seek medical advice.		
Inhalation	Not relevant		
Other Information			
SECTION 5		FIRE - FIGHTING MEASURES	
Extinguishing media	Compatible with all common fire fighting media.		
- Suitable	CO₂, Dry Powder, Foam, Water		
- Not suitable	None known		
Specific Hazards	None known		

SECTION 6	ACCIDENTAL RELEASE MEASURES
Personal Precautions	Safety glasses or face shield, impervious gloves and rubber boots recommended
Environmental Precautions	Avoid contamination of storm waters and local streams
Methods for cleaning up	Avoid contamination of storm water, local streams etc until processed through suitable treatment plant, separation of any oil phase and re-oxygenation of aqueous phase recommended.
SECTION 7	HANDLING AND STORAGE
Handling	No special precautions required on storage
Technical measures	
Storage	No special storage precautions required, see technical measures.
Technical measures	Preferred storage is internal or externally in a roofed, bunded and suitably drained area.
Storage conditions	Storage in a cool dry place preferred although not essential
Incompatible products	None known
Packaging	Package sizes are 5 litre, 22.5 litre and 200 litres
Packaging Materials	
- Recommended	Packed in plastic drums.
- Not Suitable	
SECTION 8	EXPOSURE CONTROLS / PERSONAL PROTECTION
Engineering measures	
Personal protective equipment	Gum boots
Hand protection	PVC or Rubber gloves
Eye protection	Safety glasses or face shield
Skin and body protection	Normal working clothing, coveralls
SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
Appearance	
Physical state	Liquid
Form	Clear
Colour	Flouro-red
Odour	Characteristic
pH	7.0 - 9.0, Typical 8.0
Specific temperatures	
Freezing	N/A
Boiling	N/A , assume water at 100 °C

Flammability characteristics	
Flash point	None known / none detected
Oxidizing properties	None known
Specific gravity (Water = 1)	1.00 – 1.02, Typical 1.01 g cm³
Solubility	
In water	Miscible, may form 2 phases on standing
In organic solvents	Miscible, will form 2 phases on standing
SECTION 10	STABILITY AND REACTIVITY
Stability	Stable under normal conditions
Hazardous reactions	None known
Materials to avoid	None known
Hazardous decomposition products	No known hazardous decomposition products
SECTION 11	TOXICOLOGICAL INFORMATION
Acute toxicity (Non-human)	DPM LD_{50(Rat)} = 5.66 ml / kg
Local effects	No adverse effects except reversible dermal irritation.
Sensitisation	Degreasing components in this product will remove body oils/fats from skin on continuous exposure, no long term effects predicted.
SECTION 12	ECOLOGICAL INFORMATION
Mobility	Liquid will rapidly spread / absorb into friable soils, sands etc
Biodegradability	Rapidly biodegrades and breaks down into non-toxic products
Ecotoxicity	Water phase will rapidly biodegrade and may cause short term oxygen demand if placed, concentrated and without pre-treatment into waterways.
SECTION 13	DISPOSAL CONSIDERATIONS
Waste from residues	This product will separate on mixing with water and oil into 2 separate phases and should be treated by a waste treatment plant capable of oil/water separation
Contaminated Packaging	Refer to local Waste Authorities or Environment Protection Authority for local disposal requirements.
SECTION 14	TRANSPORT INFORMATION
Transport	No special precautions required. No special placarding or labeling to meet ADG Code for transport by road or rail.
UN Number	None allocated
Hazchem	2 [Z]
Dangerous Goods Class and Subsidiary Risk	Not relevant

Packaging Group	III
SECTION 15	REGULATORY INFORMATION
Labelling	
- Risk Phrases	Not relevant
- Safety Phrases	S24/25 Avoid contact with skin and eyes, S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
Classifications / Symbols	N/A – Not required
Note	
SECTION 16	OTHER INFORMATION
Uses	Provides superior performance as environmentally friendly biodegradable quick break degreaser with no known hazardous decomposition products. Ideal for use in environmentally sensitive areas. Exceptional Quick Break properties make it ideal for use with oil / water separators. Enviro Fast Break Degreaser is used undiluted but may be mixed with water up to 5:1 for economy according to the cleaning requirements.
Areas of use:	Mining equipment, earth moving equipment, agricultural machinery, industrial machinery, workshop floors vehicles, bath degreasing, parts washing, pressure washing and ships engines.

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, CPChem, FICHe, CEng, CSci, MFACS	DATE PREPARED:	May 2005
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