Ecosoak 5500

Alkaline Soak Tank Cleaner

General Description

ECOSOAK 5500 is an alkaline detergent formulation designed for use in a wide variety of industrial cleaning applications. The synergistic blend of surfactants, chelating agents and alkaline components results in high effective degreasing solution which can be used in both soak and spray applications. The product is particularly suitable for the removal of oil and other heavy soils from a variety of substrates and, due to the passivating blend of chemicals, can also be used on sensitive metals such as aluminium.

Features	**Benefits**
Low Foam Detergent	Can be used for soak and spray applications
Synergistic Blend	Effective on many soils
Heavily Chelated	Effective in both soft and hard water

Instructions for use

ECOSOAK 5500 should be used at concentrations up to 10%, depending upon the level of soils to be removed, and at temperatures up to 60ºc depending upon the process requirements. The product can be used in simple immersion systems or with ultrasonic and spray techniques. ECOSOAK 5500 can be used on most metals however care should be taken with sensitive coated components since these may be adversely affected.

MATERIAL SAFETY DATA SHEET

1.0	**Product**	ECOSOAK 5500
2.0	**General Composition**	
2.1	Ingredients	Contains Butyl Oxitol, Sodium Metasilicate, Nitrilo Triacetate, Non-ionic surfactant, Potassium Hydroxide.
2.2	CAS No.	Butyl Oxitol 0112-34-5 Sodium Metasilicate 6834-92-0 Nitrilo Triacetate 139-89-9 Non-ionic surfactant Potassium Hydroxide 1310-58-3
2.3	Safety Phrases	S24/25 - Avoid contact with skin and eyes S26 - In case of contact with eyes rinse Immediately and seek medical advise. S36/37 - Wear suitable protective clothing
2.4	Risk Phrases	R34 Causes Burns
2.5	Concentration	Butyl Oxitol <5% Sodium Metasilicate <20% Nitrilo Triacetate <10% Non-ionic surfactant <10% Potassium Hydroxide <5%
2.6	Occupational Exposure	Standard (EH40) Potassium Hydroxide ST EXP (15 min) 2.00 mg m³
3.0	**Hazard Identification**	
3.1	Human Hazards	Neat chemical may cause irritation and burns.

3.2	Environmental Hazards	Alkaline material – neutralise before disposal to foul sewer.
4.0	**First aid Measures**	
4.1	Inhalation	Remove to fresh air and seek medical advice.
4.2	Skin Contact	Wash with copious amounts of cold water for at least 15 minutes. Seek medical advice immediately.
4.3	Eye Contact	Rinse immediately with copious quantities of cold water for at least 15 minutes. Seek medical advice immediately.
4.4	Ingestion	Seek immediate medical attention, give affected person water/milk, do induce vomiting. Never make an unconscious person vomit or force feed fluids.
5.0	**Fire Fighting**	
5.1	Extinguishing Media	Product is non-flammable. Use water to keep fire-exposed container cool and disperse vapours.
5.2	Hazardous Decomposition Products	Carbon Dioxide/Monoxide, nitrous oxide gases.
6.0	**Accidental Release**	
6.1	Protective Clothing	Before tackling any spillage suitable protective clothing should be worn.
6.2	Environmental Precautions	Prevent entry to drains, sewers and water courses.
6.3	Clean Up Procedures	Soak liquid in absorbent material and collect solids in container. Wash down floor area as spillages can be slippery.
7.0	**Handling and Storage**	
7.1	Handling	Avoid spilling, skin and eye contact. When handling all chemicals observe good standards of industrial hygiene. Avoid swallowing/eye or skin contact with any mists or sprays which may be formed.
7.2	Storage	Store in cool, dry, ventilated storage area in closed containers. Store away from oxidising agents.
8.0	**Exposure Control and Personal Protection**	
8.1		Personal exposure must be minimised and gloves together with approved safety goggles should be worn where eye exposure is probable.
9.0	**Physical and Chemical Properties**	
9.1	Appearance	Clear liquid
9.2	Odour	None – mild detergent
9.3	pH	@ 2% approximately 13
9.4	pH	Approximately 13+
9.5	Water Soluble	Completely Soluble
9.6	Specific Gravity	@ 20ºc 1.25kg m³ typical
10.0	**Stability and Reactivity**	
10.1	Conditions to Avoid	Avoid contact with oxidising agents, acids and other light alloys.
10.2	Hazardous Decomposition Products	Carbon Dioxide/Monoxide and Nitrogen Oxide gases can be formed in fire situations.
11.0	**Toxicological Information**	

11.1	Health Warnings	This product may cause skin/eye irritation and burns. Contact with the concentrated chemical will rapidly cause eye damage and possible loss of sight, burning pain and severe corrosive skin damage. Swallowing the concentrated chemical will result in internal injury.
11.2	Medical Symptoms	Extreme irritation of the eyes and mucous membranes, including burning and tearing. Skin irritation.
12.0	**Ecological Information**	
		There is no data available on the product itself.
12.1	Water Hazard Classification	No data available.
13.0	**Disposal**	
13.1		Diluted/neutralised material may be routed directly to the foul drain.
14.0	**Transport Information**	
14.1	Label for Conveyance	Corrosive
15.0	**Regulatory Information**	
15.1	Label for Supply	Corrosive
15.2	Risk Phrases	R34 Causes Burns
15.3	Safety Phrases	S24/25 – Avoid contact with skin and eyes.
		S26 – In case of contact with eyes, rinse immediately with water and seek medical attention.
		S37 – Wear suitable gloves.
16.0	**Other Information**	