



Safety Data Sheet

Milkstone Remover Excel

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY			
Product Name	Milkstone Remover Excel		
Address / Phone Number	Delf (UK) Ltd Unit 2 Hickman Road Birkenhead Wirral CH41 1JH Tel: (00 44) 151 630 0405 Fax: (00 44) 151 630 0406 E-mail: info@delf-uk.com		
Emergency Phone Number	IN AN EMERGENCY DIAL LOCAL EMERGENCY SERVICES		
2. COMPOSITION / INFORMATION			
Product Description	A Phosphoric Acid cleaner / descaler with added surfactants and sequestrants.		
Alternative Names	None.		
Hazardous Ingredient(s)	Phosphoric Acid. CAS No.: 007664-38-2.		
3. HAZARDS IDENTIFICATION			
Most Important Hazard(s)	Corrosive. Causes burns.		
4. FIRST AID MEASURES			
Inhalation	Fumes or vapour may cause irritation, nausea or drowsiness. If person is exposed to fumes move into fresh air, and if recovery is not rapid seek medical attention.		
Skin Contact	Remove contaminated clothing. Wash affected area with plenty of soap and water. If in doubt or if symptoms persist obtain medical attention. Launder clothing before re-use.		
Eye Contact	Immediately irrigate eye with plenty of water or eye-wash solution for 10 minutes. Obtain medical attention.		
Ingestion	Only if person is conscious, rinse mouth out with plenty of water and give 200-300ml water to drink. DO NOT INDUCE VOMITING. Keep patient at rest and obtain medical attention.		
5. FIRE FIGHTING MEASURES			
<i>Non-combustible or flammable</i>			
Extinguishing Media	Use extinguishing media suitable for surrounding fire or the cause of fire. Keep containers cool by spraying with water.		
Fire Fighting Protective Equipment.	Wear self-contained breathing apparatus and suitable protective clothing.		
6. ACCIDENTAL RELEASE MEASURES			
Personal Precautions	Avoid direct contact with skin, eyes and clothing. See exposure controls / personal protection (section 8).		
Spillages	Small Spillages: Mop up bulk and dilute remainder to foul drain with plenty of water. Large Spillages: Where possible, transfer to a container for reuse or disposal (see Disposal Considerations – Section 13). Contain and absorb using earth, sand or other inert material. Flush area to drain with plenty of water. Treat large spillages as industrial waste.		
Environmental Precautions	Do not allow to contaminate vegetation, or enter drains or water courses. Spillages or uncontrolled contamination of soil or discharges into watercourses, drains or sewers must be reported immediately to the Environment Agency, local water company or other appropriate regulatory bodies.		
7. HANDLING AND STORAGE			
Handling	Use product in accordance with good industrial practices for handling and storing of hazardous chemicals. Avoid contact with skin and eyes. Do not mix with other chemicals.		
Storage	Must only be kept in original packaging. Store in a cool dry well ventilated area. Protect from extremes of temperature. Keep away from caustic or chlorinated materials.		
8. EXPOSURE CONTROL/PERSONAL PROTECTION			
Personal Protective Equipment	Wear protective clothing and closed footwear, impervious PVC or butyl rubber gloves, and approved chemical safety goggles or face protection.		
Occupational Exposure Limits	Product	Long Term Exposure Limit (8 hr TWA)	Short Term Exposure Limit (15 Min)
	Phosphoric Acid	-	2mg/m ³
9. CHEMICAL AND PHYSICAL PROPERTIES			
Appearance	Clear red liquid	Specific Gravity (20°C) (g/ml)	1.18 +/- 0.02
Odour	None	pH	2.0 typical
Solubility	Soluble in water	Freezing Point	< 5°C

10. STABILITY AND REACTIVITY	
Stability	Stable under normal conditions of use and correct storage.
Known Hazardous Reactions	Reacts violently with alkalis and generates heat. Reacts dangerously with strong oxidising agents such as chlorates, nitrates and calcium carbide. Most metals will cause the formation of flammable and explosive mixtures with air.
Materials to avoid	Alkalis and Chlorinated materials. Aluminium, Brass, Copper, and Galvanised Steel (generates hydrogen).
Hazardous Decomposition Product(s)	Noxious, toxic or corrosive vapours may be released in a fire situation.
11. TOXICOLOGICAL INFORMATION	
Inhalation	May cause severe irritation to respiratory system and mucous membranes.
Skin contact	Causes burns, and may cause dermatitis long term.
Eye contact	Causes Burns. May cause permanent effects. Permanent damage may be avoided if treated rapidly.
Ingestion	Causes burns to mucous membranes and digestive tract. May cause nausea and stomach pains.
12. ECOLOGICAL INFORMATION	
Persistence and Degradation	Milkstone Remover Excel is not expected to bio-accumulate. Low concentrations may act as a plant nutrient and cause algal blooms in rivers and lakes.
Toxicity	High concentrations will be hazardous in the aquatic environment as a result of the effect of pH.
Effect on Effluent Treatment	Not known.
13. DISPOSAL CONSIDERATIONS	
Waste	Large quantities may only be disposed in accordance with Local Authority regulations.
14. TRANSPORT INFORMATION	
UN Transport Name	PHOSPHORIC ACID.
UN No.	1805
UN Primary Class	8
UN Packaging Group	III
Transport Hazard Symbol	
Packaging	25 Litre and 200 Litre HDPE UN approved containers.
Normal Carriage Temperature	Ambient.
15. REGULATORY INFORMATION	
Hazard Symbols	 Corrosive
Risk Phrases	R34: Causes burns
Safety Phrases	S1/2: Keep locked up and out of the reach of children.
	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28: After contact with skin wash immediately with plenty of water.
	S36/37/39: Wear suitable protective clothing and gloves and eye/face protection.
	S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
16. OTHER INFORMATION	
2002	Control of Substances Hazardous to Health Regulations.
2004	Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations.
2002	Chemical (Hazard Information and Packaging for supply) Regulations.
	EH40 Occupational Exposure Limits.
Legal Disclaimer	The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith. For further details see Delf (UK) Ltd. conditions of sale (additional copies of this are available on request).
Date of issue	January 2011 Revision 4 Approved By: Dr J. Lee