





Safety Data Sheet

Liquid Pasteuriser Cleaner

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY			
Product Name	Liquid Pasteuriser Cleaner		
Address / Phone Number	Delf (UK) Ltd Unit 2 Hickmans 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	An alkaline detergent cleaner containing Sodium Hydroxide, Chelating Agents and Polymers for the cleaning of single stage in-place of high temperature short time (HTST) plate heat exchangers.		
Alternative Names	Pasteuriser Liquid.		
Hazardous Ingredient(s)	Sodium Hydroxide CAS NO. 001310-73-2		
3. HAZARDS IDENTIFICATION			
Most Important Hazard(s)	Corrosive. Causes severe 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 symptoms persist obtain medical attention. Launder clothing before re-use.		
Eye Contact	SPEED IS ESSENTIAL. Immediately irrigate eye with plenty of water or eye-wash solution for 15 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: Flush area to 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 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. Avoid contact with acids.		
Storage	Must only be kept in original packaging. Store in a cool dry well ventilated area. Protect from extremes of temperature. Keep away from acidic 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)
	Sodium Hydroxide	-	2mg/m ³
9. CHEMICAL AND PHYSICAL PROPERTIES			
Appearance	Clear colourless liquid	Specific Gravity (20°C) (g/ml)	1.30 +/- 0.02
Odour	None	pH	13 (1% w/w solution)
Solubility	Soluble in water	Freezing Point	< 5°C

10. STABILITY AND REACTIVITY			
Stability	Stable under normal conditions of use, and when correctly stored.		
Known Hazardous Reactions	Reacts violently with acids. Contact with metals such as Aluminium, Zinc, Magnesium, Tin or their alloys will cause the formation of flammable Hydrogen gas.		
Materials to avoid	Acids, Aluminium, Brass, Galvanised Steel, Magnesium, Tin, generating Hydrogen.		
Hazardous Decomposition Product(s)	None known.		
11. TOXICOLOGICAL INFORMATION			
Inhalation	May cause severe Irritation to respiratory system and mucous membranes.		
Skin contact	Can cause severe burns and repeated or prolonged contact may cause dermatitis. May cause skin sensitisation.		
Eye contact	Causes severe burns. If treated <u>rapidly</u> , permanent damage may be avoided		
Ingestion	May cause severe burns to mucous membranes and digestive tract. May cause nausea, and stomach pains.		
12.ECOLOGICAL INFORMATION			
Persistence and Degradation	Liquid Pasteuriser Cleaner is not expected to bio-accumulate.		
Toxicity	Highly toxic in the aquatic environment due to high pH. The high pH and sodium content may cause damage to the soil.		
Effect on Effluent Treatment	Not known.		
13. DISPOSAL CONSIDERATIONS			
Waste	Large quantities may only be disposed of in accordance with Waste Disposal Regulations.		
14. TRANSPORT INFORMATION			
UN Transport Name	Caustic Alkali Liquid NOS	Transport Hazard Symbol	
UN Number	1719	Packaging	25 Litre and 200 Litre HDPE UN containers
UN Primary Class	8	Normal Carriage Temp.	Ambient.
UN Packaging Group	II		
15. REGULATORY INFORMATION			
Hazard Symbols			
Risk Phrases	R35:	Causes severe 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).	
	S50:	Do not mix with acids.	
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).		
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