

SAFETY DATA SHEET

Alkafoam CL

Chlorinated Alkaline Foam Cleaner


Internationally
and
Independently
Tested



1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER	Mixture of Sodium Hypochlorite and Potassium Hydroxide and wetting agents.
TRADE NAME	Alkafoam CL
RECOMMENDED USE	Foaming detergent
RESTRICTIONS ON USE	None
SUPPLIER DETAILS	Sentratek Holdings Pty (Ltd) 24 Lansdowne Place Central Port Elizabeth South Africa
EMERGENCY PHONE NUMBER	+27 41 586 1400 (08:00 to 17:00 - Monday to Friday) +27 83 648 4117 (24 Hours)

2. HAZARDS IDENTIFICATION

CLASSIFICATION	Corrosive
LABEL ELEMENTS	
HAZARD STATEMENTS	Danger! Contact with Acids liberates toxic gas. Causes severe burns. Can cause permanent eye damage.
PRECAUTIONARY STATEMENTS	Keep locked up and out of reach of children. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. After contact with skin or eyes, wash immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately. Do not mix with Acids. Avoid release into the environment.
OTHER HAZARDS	Irritating to respiratory system

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY	Sodium Hypochlorite and Potassium Hydroxide	
COMMON NAME / SYNONYMS		
CAS NUMBER	Sodium Hypochlorite Potassium Hydroxide	7681-52-9 1310-58-3
EC NUMBER	Sodium Hypochlorite Potassium Hydroxide	231-668-3 215-181-3
HAZARDOUS COMPONENTS		
CHEMICAL IDENTITY	CONCENTRATION RANGE	HAZARD
Sodium Hypochlorite	< 20%	C; R31-34
Potassium Hydroxide	<10%	C; R35

4. FIRST AID MEASURES

PRODUCT IN EYE	Hold the eyelids apart and wash/flush the eyes gently with large amounts of water for at least 15 minutes. Seek medical attention.
PRODUCT ON SKIN	Immediately wash skin with copious amount of water while removing contaminated clothing. Seek medical attention.
PRODUCT INGESTED	Seek medical attention. Do not induce vomiting unless directed to do so by medical personnel as this can cause damage to mouth and throat. Never give anything to mouth to an unconscious person.
PRODUCT INHALED	Seek medical attention. Remove the individual to a well-ventilated area and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	The product is not flammable, use extinguishing media suitable for surrounding fire. (E.g. CO ₂ / Water / Foam / Dry Powder).
SPECIAL HAZARDS	Heat and Acid contamination will produce irritating and toxic fumes. May decompose generating irritating and corrosive Chlorine gas.
PROTECTIVE CLOTHING	Full protective suit with breathing apparatus.
OTHER INFORMATION	None

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Avoid skin contact. Wear protective clothing, gloves, goggles and respirator mask. Slippery conditions will prevail.	
ENVIRONMENTAL PRECAUTIONS	Prevent run-off into sewers or any ground or surface water-way.	
CLEAN-UP METHODS	Small Spills	Take up with absorbent material. Transfer to containers for disposal. Wash away residues with large amounts of water.
	Large spills	Contain spill and take up with absorbent material. Transfer to non-leaking containers for disposal. Remaining material may be diluted with water. Seek assistance of accredited Disposal Company to assist with disposal

7. HANDLING AND STORAGE

HANDLING/STORAGE PRECAUTIONS	Avoid contact with skin. Wear suitable protective clothing. Store in a cool, dry place. Do not ingest or inhale vapours. Avoid exposure to direct sunlight and keep away from acids.
SUITABLE MATERIALS	Store in plastic drums.
UNSUITABLE MATERIALS	None

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE STANDARDS	HSE	Not listed
	MAK	2 mg/m ³
	ACGIH	Not listed
ENGINEERING CONTROL MEASURES	Safety showers. Adequate ventilation.	
PERSONAL PROTECTION	RESPIRATORY	Breathing apparatus.
	HAND	PVC gloves.
	EYE	Face shield or goggles.
	SKIN	Overalls / Plastic Apron / Gumboots
OTHER PROTECTIVE MEASURES	None	

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	PHYSICAL STATE	Liquid.
	COLOUR	Clear Pale Yellow
ODOUR	Chlorine	

ODOUR THRESHOLD	No data available
PH	>13.0
MELTING POINT / FREEZING POINT	No data available
INITIAL BOILING POINT	>90°C
BOILING RANGE	No data available
FLASH POINT	Not applicable.
EVAPORATION RATE	No data available
FLAMMABILITY(SOLID, GAS)	Not applicable.
UPPER/LOWER FLAMMABILITY	No data available
EXPLOSIVE LIMITS	Not applicable.
VAPOUR PRESSURE	No data available
VAPOUR DENSITY	No data available.
RELATIVE DENSITY	1.16 ± 0.01Kg/L.
SOLUBILITY - WATER	Soluble.
SOLUBILITY - SOLVENT	Insoluble.
PARTITION COEFFICIENT: N-OCTANOL/WATER	No data available
AUTOIGNITION TEMPERATURE	No data available
DECOMPOSITION TEMPERATURE	No data available

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY	Stable under normal conditions
HAZARDOUS REACTIONS	Decomposes when exposed to high temperatures.
CONDITIONS TO AVOID	Avoid excessive heat, sunlight or contact with acids.
INCOMPATIBLE MATERIALS	Acids, Strong Oxidizers, Amines
HAZARDOUS DECOMPOSITION PRODUCTS	Chlorine gas
POLYMERIZATION	None

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	LD50 (rat) = 8.9 g/kg
SKIN AND EYE CONTACT	Will cause burns. Toxic by inhalation, ingestion or contact with skin.
CHRONIC TOXICITY	Constant irritation of eyes, nose and throat.

CARCINOGENICITY	No risk.
MUTAGENICITY	No data available.
REPRODUCTIVE HAZARDS	None

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY – FISH	Harmful to aquatic life in high concentrations
AQUATIC TOXICITY – DAPHNIA	Harmful to aquatic life in high concentrations
AQUATIC TOXICITY – ALGAE	Harmful to aquatic life in high concentrations
BIODEGRADABILITY	When released into water the product is expected to be readily bio-degradable
BIO-ACCUMULATION	Not known to bio-accumulate.
MOBILITY IN SOIL	No Data Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Must comply with Local, Provincial and National regulations. Waste characterization and compliance with Disposal Regulations is the responsibility of the waste generator.
DISPOSAL OF PACKAGING	Must comply with Local, Provincial and National regulations. Waste characterization and compliance with Disposal Regulations is the responsibility of the waste generator.

14. TRANSPORT INFORMATION

UN NUMBER	UN 1760
UN PROPER SHIPPING NAME	Corrosive liquid N.O.S
TRANSPORT HAZARD CLASS(ES)	8
PACKING GROUP	III
MARINE POLLUTANT	Not Listed as a Marine Pollutant
SPECIAL PRECAUTIONS	None.

15. REGULATORY INFORMATION

HAZARD CLASSIFICATION	Corrosive
RISK PHRASES	R31-34, R35
SAFETY PHRASES	S1/2, S24/25, S26, S28, S36, S37, S39, S45



RSA NATIONAL LEGISLATION	Occupational Health and Safety Act (No. 85 of 1993) Regulation R1449 of 6 September 1996. Government Notice No. 17403. Regulations for Hazardous Chemical Substances. SANS 10265 - The classification and labeling of dangerous substances and preparations. SANS 10234 – Globally harmonized system of classification and labeling of chemicals (GHS).
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16. OTHER INFORMATION

HAZARD SYMBOLS INFORMATION	
C	Corrosive.

RISK PHRASES INFORMATION	
R31	Contact with acids liberates very toxic gas.
R34	Causes Burns.
R35	Causes Severe Burns.

SAFETY PHRASES INFORMATION	
S1/2	Keep locked up and out of reach of children.
S24/25	Avoid contact with skin and eyes..
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	Wear suitable protective clothing.
S37	Wear suitable gloves.
S39	Wear eye/face protection.
S45	In case of accident or if you feel unwell seek medical advice immediately (Show the label where possible).

COMPILED BY	Grant Whitaker
APPROVED BY	Don Mackay
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DISCLAIMER:

The information contained herein is based on our best current technical knowledge of the product concerned and is given in good faith. The attention of end users is drawn to (amongst other things) the element of risk consequent to the use of the product for purposes other than that for which it was intended. In no way does the document remove the need for the user of this product to fully understand and apply statutory requirements. It is the user's sole responsibility to take due precautions relative to the use made of the product. All the information included herein is intended to assist the reader in fulfilling his or her statutory duty connected with the use of hazardous materials. This list of information must not be considered as exhaustive and does not exonerate the reader from taking other precautions described in documents other than those mentioned concerning the storage and use of the product for which he or she remains the sole person responsible.