

MATERIAL SAFETY DATA SHEET

1.0	Product	CARESOL 8802
2.0	General Composition	
2.1	Ingredients	Contains Sodium Hydroxide (5%)
2.2	CAS No.	1310-73-2
2.3	Symbol	C
2.4	Risk Phrases	R35
2.5	EEC	215-185-5
3.0	Hazard Identification	
3.1	Corrosive	Causes severe burns. Avoid eye and skin contact.
4.0	First aid Measures	
4.1	Inhalation	Removes from exposure in fresh air.
4.2	Skin Contact	Wash skin with water or boric saline solution.
4.3	Eye Contact	Eyes must be opened and irrigate with water or boris saline solution, seek medical attention.
4.4	Ingestion	Give copious amounts of water to drink. Seek medical attention.
5.0	Fire Fighting	
5.1	Suitable Extinguishers	Water spray, carbon dioxide or dry powder.
5.2	Hazardous Combustion Products	At high temperatures decomposition may occur, emitting toxic vapours of ammonia and nitrogen oxides.
5.3	Special Equipment for Fire Fighting	Self contained breathing apparatus.
6.0	Accidental Release	
6.1	Safety Precautions	Wear protective gloves.
6.2	Environmental Precautions	Prevent entry to drains, sewers and water courses.
6.3	Clean Up Procedures	Contain spillage, absorb with sand or earth, dispose of in accordance with local, state and national release.
7.0	Handling and Storage	
7.1	Protective Clothing	Wear gloves, goggles, boots/shoes and overalls.
7.2	Storage	Store in lined steel, stainless steel or polythene containers away from extreme temperatures.
8.0	Exposure Control and Personal Protection	
8.1	Respiratory	None required over short periods.
8.2	Hands	Impervious gloves recommended.
8.3	Eyes	Safety goggles required.
8.4	Skin	Protective overalls and boots/shoes recommended.
9.0	Physical and Chemical Properties	
9.1	Appearance	Clear straw liquid
9.2	Odour	Odourless
9.3	pH	13-14
9.4	Boiling Point/Range	100°C
9.5	Melting Point/Range	5-15°C
9.6	Flash Point	N/A
9.7	Auto-ignition Temperature	N/A
9.8	Explosion Limits	N/A
9.9	Oxidising Properties	None

9.10	Vapour Pressure	As for water
9.11	Relative Density	1.25g/ml
9.12	Solubility	Miscible in all proportions (water)
10.0	Stability and Reactivity	
10.1	Stability	Stable under normal conditions
10.2	Reacts with	Aluminium, zinc, copper, nickel and their alloys
10.3	Reacts with	Acids and oxidising agents
10.4	Reacts with	Sodium hypochlorite (bleach) with evolution of toxic chlorine gas.
11.0	Toxicological Information	
11.1	Ingestion	Will cause corrosion and damage to the gastrointestinal tract.
11.2	Skin Contact	Corrosive, may cause severe burns and permanent damage.
11.3	Eye Contact	May cause damage with formation of corneal ulcers and impairment of vision.
11.4	Inhalation	May be irritating to the respiratory tract over prolonged period.
	LD50NO Values available	Oral – Rat Skin – Rabbit
12.0	Ecological Information	
12.1	Biodegradability	Sodium hydroxide degrades readily by reaction with the natural carbon dioxide in the air.
12.2	Ecotoxicity	May be fatal to fish and other aquatic organisms at concentrations greater than 100ppm or if pH of water reaches 10.5 or greater.
12.3	Bioaccumulation	Preparation does not bioaccumulate.
13.0	Disposal	
13.1		Do not mix with other waste material.
13.2		Dispose of in accordance with local, state and national regulations.
14.0	Transport Information	
14.1	Symbol(s)	C
14.2	SIN/UN Number	1824
14.3	Packaging Group	II
14.4	UK emergency Action Code	2R
15.0	Regulatory Information	
15.1	EEC Classification	Corrosive
15.2	Hazard Symbol	C
15.3	Risk Phrases	R35 - Causes severe burns
15.4	Safety Phrases	S2 - Keep out of reach of children
		S26 – In case on contact with eyes, rinse immediately with plenty of water and seek medical advice.
		S27 – Immediately take off contaminated clothing.
		S37/39 – Wear suitable gloves and eye/face protection.
16.0	Other Information	

LEGAL DISCLAIMER

The information contained in this data sheet does not constitute an assessment of workplace risks. The information is based on the present knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect of quality or the specification of the product. The user must satisfy himself that the product is entirely suitable for this purpose.