



SAFETY DATA SHEET

ABC 581C SALT REMOVER

1. IDENTIFICATION OF SUBSTANCE AND COMPANY

TRADE NAME	ABC 581C SALT REMOVER 500-275 (100ml)
Producer/importer	Mega Electronics Limited
Address	Mega House, Grip Industrial Estate, Linton, Cambridge
Country	ENGLAND
Postal code	CB21 4XN
Telephone	+44 (0) 1223 893900
Fax	+44 (0) 1223 893894

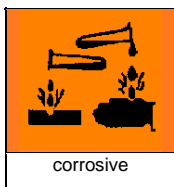
2. COMPOSITION/INFORMATION ON INGREDIENTS

No	Ingredient name	EC No.	CAS No.	Conc. (wt%)	Classification
1	Sodium Hydroxide	215-185-5	1310-73-2	2-5%	C,35
2	Copper sulphate	231-847-6	7758-98-7	<1%	Xn,22-36/38, 50/53

Legend: T+ =Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, E=Explosive, O=Oxidising, F+ =Extremely flammable, F=Highly flammable, N=Dangerous for the environment

3. HAZARDS IDENTIFICATION

GENERAL
Causes burns



corrosive



Dangerous for the Environment

ENVIRONMENT
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

INHALATION	Remove person to fresh air. Rinse mouth and nose with water. Seek medical advice.
SKIN CONTACT	Remove contaminated clothing immediately. Flush skin immediately with large amounts of water.
EYE CONTACT	Flush with large amounts of water (open eyelids) for at least 15 minutes. Get medical advice.
INGESTION	Give plenty of water or milk to drink. DO NOT INDUCE VOMITING ! seek medical advice immediately

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	All types
FIRE AND EXPLOSION HAZARDS	Does not burn. May form explosive gases in contact with: Trichloroethylene and methylchloride. In contact with certain metals generate hydrogen. Risk of explosion.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Use the specified protective equipment.
ENVIRONMENTAL PRECAUTIONS	Prevent discharge of significant quantities to drains. Spillage may be pumped up or absorbed with dry, inert material such as sand, earth etc.
METHODS FOR CLEANING UP	Mix the chemicals with an inert material (sand, vermiculite, etc.) and place in a suitable container. Flush with large amounts of water to clean the area.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS	Spillage makes floor and tools slippery.
HANDLING ADVICE:	Use personal protective equipment as specified in Section 8. Eyewash facilities and emergency shower must be available at the workplace.
STORAGE:	Do not store near acids. Containers must be kept tightly closed.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Ingredient name	CAS No.	Interval	Ppm	Mg ./ m ³	Year	Notes
Sodium Hydroxide	1310-73-2	15 mins	0.0	2.0	2000	

RESPIRATORY PROTECTION: Use respiratory protection if gas / vapour is formed.

EYE PROTECTION Wear goggles or face shield if there is a possibility of eye contact.

HAND PROTECTION Use suitable protective gloves if skin contact is possible.

PROTECTIVE CLOTHING Wear apron and boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid.		
Colour:	Dark Blue		
Odour:	No characteristic odour.		
Solubility:	Completely miscible with water		
Melting point/range:	Ca - 10 C	Density:	1.1 g /cm ³
Expl. limit LEL-UEL%:		Solubility in water:	100%
Vapour pressure:		Saturation conc.:	
Decomposition temp.:		Rel. dens. sat. air (air=1):	
pH solution:	>7	Boiling point/range:	Ca 120C
Flash point:		pH concentrate:	Ca 14

10. STABILITY AND REACTIVITY

MATERIALS TO AVOID Strong basic solution, react with aluminium, lead, tin and zinc with risk for generation of hydrogen gas may form explosive gases in contact with : Trichloroethylene and methylchloride..

11. TOXICOLOGICAL INFORMATION

INHALATION Respiratory tract irritation, coughing, breathing difficulties.

SKIN CONTACT Severe skin burns. Chemical burns.

EYE CONTACT May cause severe eye damage and temporary blindness.

INGESTION Causes burns if swallowed. Causes burning sensation in the mouth, throat and esophagus. May cause serious permanent damage

12. ECOLOGICAL INFORMATION

DEGRADABILITY Hydrolyze in water to hydrogen, sulphate and copper ion.

ACCUMALATION Bioaccumulation: (apply to copper) BCF 17000 plancton (calculated) / 360-9300 fitoplancton.

ECOTOXICITY Hydrolyze in water to hydrogen, sulphate and copper ion. Copper ions are toxic to fish, bacteria, algae and protozoans at concentrations below 1mg / litre. Fish (C.auratus): Toxic at 0.01 mg/litre. Mussels: Lethal at 0.55mg / litre/ 12 hours. Oysters: Toxic at 0.1 mg/litre

OTHER EFFECTS Discharge to water will increase pH, which may harm fish and aquatic organisms near the discharge point. pH 9 is toxic for fish.

13. DISPOSAL CONSIDERATIONS

GENERAL REGULATIONS Dispose of in compliance with local regulations. Contact supplier for disposal information.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods: Yes No N/A

UN No: 3266

Proper shipping name: Corrosive liquid, basic inorganic n.o.s.

ADR.RID: Class: 8, 47(c) Packing group: III Not translated: 8 Hazard id: 80

IMDG: Class: 8, Packing group: III Sub Risk: EMS: 8-15 Marine Pollutant: MP

IATA Class: 8, Packing group: III Sub Risk: Label:

15. REGULATORY INFORMATION

Classified.: corrosive



COMPOSITION
Sodium Hydroxide (2-5%)
Copper sulphate (<1%)

R-PHRASES R-34 Causes burns.R-52-53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-PHRASES S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-37/39 Wear suitable gloves and eye/face protection.S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) S61: Avoid release to the environment

16. OTHER INFORMATION

INFORMATION SOURCES:

The safety data sheet has been prepared on the basis of information given by raw materials suppliers

ISSUED: 10/04/02 updated 02/08

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE - HOWEVER NO GUARANTEE OR WARRANTY EXPRESSED OR IMPLIED IS GIVEN