



SAFETY DATA SHEET

ABC 189 CLEANER / CONDITIONER

1. IDENTIFICATION OF SUBSTANCE AND COMPANY

TRADE NAME	ABC 189 CLEANER / CONDITIONER 500-270 (1L) & 500-270-1 (60ml)
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	2-aminoetanol	205-483-3	141-43-5	10%	Xn,20-36/37/38
2	Secondary alcohol (C12-C14) ethoxylat		84133-50-6	5%	

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

INGREDIENT COMMENTS ; Aqueous solution of surfactants and 2 - aminoethanol

3. HAZARDS IDENTIFICATION

GENERAL This product does not require labelling.

4. FIRST AID MEASURES

GENERAL	Remove contaminated clothing as soon as possible
INHALATION	Remove person to fresh air. Get medical advise if large amounts have been inhaled or the patient experiences discomfort.
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. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	Water, CO2, foam, dry chemical.
PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS	Use self-contained breathing apparatus if substance is involved in fire.
OTHER INFORMATION	Prevent release of fire control water to surface water or ground water.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Do not breathe vapour or spray
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 Do not store near acids. Containers must be kept tightly closed.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Ingredient name	Cas nr.	Interval	ppm	mg/m ³	Year	Notes
2-aminoetanol	141-43-5	8 h	3,0	8,0	2000	H

RESPIRATORY PROTECTION Respiratory protection may be necessary

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solution.		
Colour:	Colourless.		
Odour:	Characteristic.		
Solubility:	Completely soluble in water.		
Melting point/range:	ca -10 C	Density:	1,05g/cm ³
Expl. limit LEL-UEL%:	--	Solubility in water:	100%
Vapour pressure:	--	Saturation conc.:	--
Decomposition temp.:	--	Rel. dens. sat. air (air=1):	--
pH solution:	9	Boiling point/range:	ca 120 C
Flash point:	--	pH concentrate:	>10
Molar weight:	--	Viscosity:	--

10. STABILITY AND REACTIVITY

MATERIALS TO AVOID

May form explosive gases in contact with: inorganic acid chlorides Exothermic reaction with strong acids

11. TOXICOLOGICAL INFORMATION

INHALATION Respiratory tract irritation

SKIN CONTACT Chemical burns. May cause skin irritation and / or dermatitis.

EYE CONTACT Highly irritating to the eyes.

INGESTION Burning sensation in the mouth and throat

12. ECOLOGICAL INFORMATION

DEGRADABILITY Readily biodegradable

ECOTOXICITY The product contains monoethanolamin which has following values:
LC50 (fish, mg/litre): 150 mg/l /96h LC50 (Daphnia, mg/litre / 24 hours): 65 mg/l

OTHER INFORMATION The product is alkaline and will cause a local increase in pH when discharged to sea or lake.

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

OTHER INFORMATION Not considered as dangerous goods under UN, IMO, ADR/RID or IATA/ICAO regulations.

15. REGULATORY INFORMATION

COMPOSITION: 2-aminoetanol (10%), Secondary alcohol (C12-C14) ethoxylat (5%)

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.

16. OTHER INFORMATION

INFORMATION SOURCES:

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

ISSUED: 10/12/02 Updated 02/08

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