



# SAFETY DATA SHEET

## ABC 972 BRIGHTENER

### 1. IDENTIFICATION OF SUBSTANCE AND COMPANY

TRADE NAME	ABC 972 BRIGHTENER 500-146-1
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. HAZARDS IDENTIFICATION

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

No	Ingredient name	EC No.	CAS No.	Conc. (wt%)	Classification
1	SULPHURIC ACID	231-639-5	7664-93-9	1- 5%	C,R35
2	COPPER SULPHATE PENTAHYDRATE	231-847-6	7758-99-8	<1	Xn: R22 Xi: R36/38 N: R50/53

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

**COMPOSITION COMMENTS:** Contains surface active agents.

### 4. FIRST AID MEASURES

<b>GENERAL INFORMATION</b>	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
<b>INHALATION</b>	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues
<b>SKIN CONTACT</b>	Remove affected person from source of contamination. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if irritation persists after washing.
<b>EYE CONTACT</b>	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
<b>INGESTION</b>	Rinse mouth thoroughly Drink plenty of water. Get medical attention if any discomfort continues.

### 5. FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA** Use fire-extinguishing media appropriate for surrounding materials.

### 6. ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
<b>ENVIRONMENTAL PRECAUTIONS</b>	Do not discharge into drains, water courses or onto the ground.
<b>METHODS FOR CLEANING UP</b>	DO NOT touch spilled material. Wear necessary protective equipment. Provide ventilation and confine spill. Do not allow run-off into sewer. Absorb with inert damp, non-combustible material, then flush area with water. Inform Authorities if large amounts are involved.

### 7. HANDLING AND STORAGE

<b>HANDLING PRECAUTIONS</b>	Avoid spilling, skin and eye contact.
<b>STORAGE PRECAUTIONS</b>	Store in tightly closed original container in a dry, cool and well-ventilated place. Store in closed original container at temperatures between 5°C and 30°C
<b>STORAGE</b>	Chemical Storage.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

name						
COPPER SULPHATE PENTAHYDRATE	Std	LT- ppm	LT – mg/m3 1(Cu) mg/m3	ST –ppm	ST – mg/m3 2(Cu) mg/m3	
SULPHURIC ACID	OES		1 mg/m3			

PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

No particular ventilation requirements.

### HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

### EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA!

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Clear Liquid.
Colour:	Blue.
Solubility:	soluble in water.
Relative Density:	1.02 @ 20°C
pH Value:	<1

## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

## 11. TOXICOLOGICAL INFORMATION

**HEALTH WARNINGS** No specific health warnings noted.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY** This product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS** Dispose of waste and residues in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION

### GENERAL

This product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)  
No Transport warning sign required.

**MARINE POLLUTANT** No

## 15. REGULATORY INFORMATION

**R-PHRASES** R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S-PHRASES** S60 This material and its container must be disposed of as hazardous waste. UK REGULATORY

### UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations.

### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

**GUIDANCE NOTES** Workplace Exposure Limits EH40.

## 16. OTHER INFORMATION

### INFORMATION SOURCES:

Dangerous Properties of Industrial Chemicals, N.Sax, Croner's: Dangerous Substances. Croner's: Emergency Spillage Guide. Croner's: Substances Hazardous to Health. Material Safety Data Sheet, Misc. manufacturers.

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### RISK PHRASES IN FULL

**R22** Harmful if swallowed.

**R35** Causes severe burns.

**R36/38** Irritating to eyes and skin.

**R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy him/herself as to the suitability of such information for his/her own particular use.