

# SAFETY DATA SHEET

## Procirc 9790 Acid Copper Concentrate (Part: 500-161-2)

### 1. IDENTIFICATION OF SUBSTANCE AND COMPANY

**TRADE NAME**      **PROCIRC 9790 ACID COPPER CONCENTRATE (500-161-2)**

Producer/Distributor	PMD (UK) LTD	Mega Electronics Ltd
Address:	BROAD LANE	Mega House, Grip Industrial Estate
	COVENTRY	Linton, Cambridge
Country:	ENGLAND	ENGLAND
Postal Code:	CV5 7AY	CB21 4XN
Telephone:	024 764 666 91	+44 (0) 1223 893900
Fax:	024 764 730 34	+44 (0) 1223 893894
Email:	stevel@pmdgroup.co.uk	sales@megauk.com

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

No	Ingredient name	EC No:	CAS No:	Conc. (wt%)	Classification:
1	Copper Sulphate Pentahydrate	231-847-6	7758-99-8	10-30%	Xn: R22, Xi: R36/38, N: R50/53
<b>Legend:</b> T+ = Very toxic, T= Toxic, C+ = Corrosive, Xn+ Harmful, Xi= Irritant, E= Explosive, O=Oxidising, F+= Extremely Flammable, F= High Flammable, N=Dangerous for the environment					

### 3. HAZARDS IDENTIFICATION

Irritating to eyes & skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 4. FIRST AID MEASURES

<b>GENERAL INFO.</b>	Remove affected person from source of contamination. Get medical attention if discomfort continues.
<b>INHALATION</b>	Move the exposed person to fresh air at once. Rinse nose & mouth with water. 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 eye lids. Continue to rinse for at least 15 minutes.
<b>INGESTION</b>	Remove victim immediately from source of exposure. Rinse mouth thoroughly. Drink plenty of water. Seek Medical Attention.

### 5. FIRE-FIGHTING MEASURES

<b>EXTINGUISHING MEDIA</b>	Use fire-extinguishing media appropriate for surrounding materials.
<b>FIRE &amp; EXPLOSION HAZARDS</b>	N/A

### 6. ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS</b>	Wear Respiratory Protection. Avoid Contact With Skin And Eyes wear gloves and safety goggles
<b>ENVIRONMENTAL PRECAUTIONS</b>	Do not eat, drink or smoke. Wash hands before using the toilet. Avoid Entry Into Drainage System And Earth
<b>METHODS FOR CLEANING UP</b>	Dry, Collect And Put Into Suitable Container For Disposal. Liquid: Absorb In Sand Or Other Inert Material And Put Into Suitable Container For Disposal.

### 7. HANDLING AND STORAGE

<b>HANDLING PRECAUTIONS:</b>	Always Wear Suitable Protective Clothing (Sec. 8) Avoid spilling, skin and eye contact.
<b>HANDLING ADVICE:</b>	Use personal protective equipment as specified in Section 8.
<b>STORAGE:</b>	Store in tightly closed original container in a dry, cool and well ventilated place. . Keep in original container – Chemical storage.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES HAND PROTECTION EYE PROTECTION PROTECTIVE CLOTHING HYGENIC MEASURES

Provide adequate general and local exhaust ventilation.

Wear Protective Rubber Gloves

Wear Protective safety goggles.

Wear appropriate clothing to avoid any possible skin contact

### 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. No eating or drinking while working with this material

## 9. PHYSICAL AND CHEMICALS PROPERTIES

Physical State:	Clear Liquid	Colour:	Blue
Odour:		Oxidising Properties:	
Melting Point / range:		Relative Density:	1.16g @ 20°C
Expl. limit LEL-UEL%:		Solubility in water	Yes
Vapour Pressure:		Saturation conc:	
Decomposition temp:		Rel. dens. sat. air (air=1)	
pH Solution		Boiling point / range	
Flash Point	N/A	pH-VALUE, CONC. SOLUTION	3.5

## 10. STABILITY AND REACTIVITY

### CONDITIONS TO AVOID

Stable under normal conditions.

### HAZARDOUS DECOMPOSITION

Toxic gases/vapours/fumes of Sulphurous Gases (SOx)

## 11. TOXICOLOGICAL INFORMATION

<b>INHALATION</b>	May cause irritation to the respiratory system.
<b>SKIN CONTACT</b>	Irritating to skin.
<b>EYE CONTACT</b>	Irritating to eyes
<b>INGESTION</b>	May cause discomfort if swallowed.

## 12. ECOLOGICAL INFORMATION

<b>TOXICITY</b>	The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.
<b>MOBILITY</b>	N/A

## 13. DISPOSAL INFORMATION

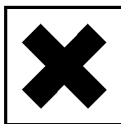
<b>GENERAL REGULATIONS</b>	Always Dispose Of According To Local Government Regulations.
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## 14. TRANSPORT INFORMATION



<b>PROPER SHIPPING NAME:</b> Environmentally hazardous substance, Liquid, N.O.S. (Copper Sulphate Pentahydrate)			
<b>UK Road Class</b>	9	<b>UK Road Pack FR:</b>	III
<b>UN No Road</b>	3080	<b>ADR Class</b>	Class 9 Miscellaneous dangerous substances and articles
<b>ADR Pack Group:</b>	III	<b>Tunnel Restrictions Code</b>	(E)
<b>Hazard No (ADR):</b>	90	<b>ADR Label No</b>	9
<b>Hazchem Code</b>	3Z	<b>CEFIC TEC(R) No.</b>	90GM6-III
<b>RID Class No.</b>	9	<b>RID Pack Group</b>	III
<b>UN Sea No.</b>	3082	<b>IMDG Class</b>	9
<b>IMDG Page No:</b>	8147-1	<b>IMDG Pack GR</b>	III
<b>EMS</b>	F-A, S-F	<b>MFAG</b>	See Guide
<b>UN No. Air</b>	3082	<b>Air Class</b>	9
<b>Air Pack GR.</b>	III		

## 15. REGULATORY INFORMATION



Irritant



Dangerous for  
the Environment

### R-PHRASES

R36 / 38 Irritating To Eyes & Skin.

R51 / 53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

### S-PHRASES

S21 When using do not smoke

S26 In Case Of Contact With Eyes, Rinse Immediately With Plenty Of Water and Seek Medical Advice.

S24/ 25 After Contact With Skin & Eyes

S57 Use appropriate containment to avoid environmental contamination  
S60 This material and its container must be disposed of as hazardous waste

S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

UK REGULATORY REFERENCES Health and Safety at Work Act 1974.

The Control of Substances Hazardous to Health Regulations 1988.

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 Hazardous to Health, Material Safety Data sheet, Mics. Manufacturers

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