

# SAFETY DATA SHEET PROCIRC 9055 25 LITRES MULTI LAYER SOLUTION (PART A)

**PART NO: 500-176-1**

## **1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:**

**PRODUCT NAME:** PROCIRC 9550 MULTI LAYER SOLUTION (PART A)

**PART No.:** 500-176-1 (25 LITRES)

### **SUPPLIER:**

Mega Electronics Ltd.,  
Mega House, Grip Industrial Estate  
Linton, Cambridge  
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### **MANUFACTURER**

PMD (UK) Limited  
Broad Lane  
Coventry  
CV5 7AY  
024 764 66691  
024 764 73034

## **2. COMPOSITION/INFORMATION ON INGREDIENTS:**

COMPONENT	%BY WT	CAS & EEC Nos:	HAZARD	R PHRASE Nos.:
SULPHURIC ACID	30-60 %	7664-93-9	C	35
AROMATIC ACID SALT	1-5 %		XI	36/37/38,
AZOLE DERIVATIVE	1-5 %	95-14-7	Xn	22,41 52/53

## **3. HAZARDS IDENTIFICATION:**

Causes severe burns

## **4. FIRST AID MEASURES:**

**GENERAL:** Remove affected person from source of contamination. Get medical attention

**INHALATION:** Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air

**INGESTION:** DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air

**SKIN:** Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing

**EYES:** 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 and get medical attention

## **5. FIRE FIGHTING MEASURES:**

**EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** May develop highly toxic or corrosive fumes if heated.

## **6. ACCIDENTAL RELEASE MEASURES:**

**SPILL CLEANUP METHODS:** DO NOT touch spilled material. Wear necessary protective equipment.

Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb with inert, damp, non-combustible material, then flush area with water. Inform Authorities if large amounts are involved

## **7. HANDLING AND STORAGE:**

**USAGE PRECAUTIONS:** Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours.

Use approved respirator if air contamination is above accepted level

**STORAGE PRECAUTIONS:** Keep in cool, dry, ventilated storage and closed containers. Keep in original container. Store between 5°C and 30°C

**STORAGE CRITERIA:** Chemical storage.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:**

### **INGREDIENTS:**

SULPHURIC ACID 7664-93-9 1 - No std

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

**EYE PROTECTION** Wear goggles or face shield

**HAND PROTECTION** Use suitable protective gloves to prevent any possibility of skin contact.

**PROTECTIVE CLOTHING** Wear Gloves and Spectacles/face shield

**PROCESS CONDITIONS:** Use engineering controls to reduce air contamination to permissible exposure level  
Provide eyewash station.

**VENTILATION:** Provide adequate general and local exhaust ventilation.

**RESPIRATORS:** Respiratory protection must be used if air concentration exceeds acceptable level

**OTHER PROTECTION:** Wear appropriate clothing to prevent any possibility of skin contact

## **HYGIENIC WORK PRACTICES:**

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

## **9. PHYSICAL AND CHEMICAL PROPERTIES:**

**APPEARANCE:** Clear. Liquid. **COLOUR:** Light (or pale) yellow.

**SOLUBILITY DESCRIPTION:** Soluble in water.

**DENSITY/SPECIFIC GRAVITY (g/ml):** 1.384 - 1.404

**TEMPERATURE (>C):** 20

**pH-VALUE, CONC. SOLUTION:** >1

## **10. STABILITY AND REACTIVITY:**

**STABILITY:** Normally stable.

**CONDITIONS TO AVOID:** Avoid excessive heat for prolonged periods of time.

**MATERIALS TO AVOID:** Strong alkalis. Strong oxidizing agents.  
Inorganic cyanides

**HAZARDOUS DECOMP. PRODUCTS:** Oxides of: Nitrogen.

## **11. TOXICOLOGICAL INFORMATION:**

**MUTAGENIC:** SULPHURIC ACID **TOXIC DOSE - LD 50:**  
2140mg/kg (oral rat)

**HEALTH WARNING:** Swallowing concentrated chemical may cause severe internal injury. **RESPIRATORY SYSTEM:** Serious damage to the lining of nose, throat and lungs.

## **12. ECOLOGICAL INFORMATION:**

## **13. DISPOSAL CONSIDERATIONS:**

**DISPOSAL METHODS:** Dispose of in accordance with Local Authority requirements.

## **14. TRANSPORT INFORMATION:**

**LABEL FOR CONVEYANCE:**

**CORROSIVE SUBSTANCE (CLASS 8) (BLACK/WHITE HALVED DIAMONDS WITH CORROSIVE SYMBOL)**

**UN No. ROAD:** 2796 **ADR CLASS:** 8 **ADR ITEM No.:** C1

**CEFC TEC(R) No.:** 80GC1-II+III **PROPER SHIPPING NAME I:**  
SULPHURIC ACID, MIXTURE

**IMDG CLASS:** 8 **IMDG PACK GR.:** II

## **15. REGULATORY INFORMATION:**

**LABEL FOR SUPPLY:** CORROSIVE

**RISK PHRASES:**  
R-35 Causes severe burns.

**SAFETY PHRASES:**

S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S-24/25 Avoid contact with skin and eyes  
S-36/37/38 Wear suitable protective clothing, gloves and eye/face.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S60 This material and its container must be disposed of as hazardous waste..

**UK REGULATORY REFERENCES:**

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 1988

**GUIDANCE NOTES:**

Occupational 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

**REVISION DATE:** 11/11/02