

SAFETY DATA SHEET PROCIRC 9028 25 LITRES

MULTI LAYER CLEANER / CONDITIONER

PART NO: 500-176

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

PRODUCT NAME: PROCIRC 9028 CLEANER / CONDITIONER

PART No.: 500-176

SUPPLIER:

Mega Electronics Ltd.,
Mega House, Grip Industrial Estate
Linton, Cambridge
CB21 4XN
Tel: +44 (0) 1223 893900
Fax: +44 (0) 1223 893894

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.:
2-AMINOETHANOL	10-30 %	141-43-5	Xn	20, 36/37/38
ETHYLENEDIAMINE	1- 5 %	107-15-3	C	21/22, 34, 42/43

3. HAZARDS IDENTIFICATION:

Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact

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! Remove victim immediately from source of exposure. 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.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of: Nitrogen.

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:

2-AMINOETHANOL 141-43-5 3 ppm 6 ppm /

ETHYLENEDIAMINE 107-15-3 10 -- No std.

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 Gloves and Spectacles.

PROCESS CONDITIONS: Use engineering controls to reduce air contamination to permissible exposure level
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 liquid contact and repeated or prolonged vapour 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:** Colourless.

SOLUBILITY DESCRIPTION: Soluble in water.

DENSITY/SPECIFIC GRAVITY (g/ml): 1.007 - 1.017

TEMPERATURE (>C): 20

pH-VALUE, CONC. SOLUTION: >12

10. STABILITY AND REACTIVITY:

STABILITY: Normally stable. **CONDITIONS TO AVOID:** Avoid heat.

MATERIALS TO AVOID: Strong acids. Strong oxidizing agents.

HAZARDOUS DECOMP. PRODUCTS: Oxides of: Nitrogen.

11. TOXICOLOGICAL INFORMATION:

MUTAGENIC: 2-AMINOETHANOL **TOXIC DOSE - LD 50:**
2100mg/kg (oral rat)

MUTAGENIC: ETHYLENEDIAMINE **TOXIC DOSE - LD 50:**
1200mg/kg (oral rat)

12. ECOLOGICAL INFORMATION:

13. DISPOSAL CONSIDERATIONS:

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

S-35 This material and its container must be disposed of in a safe way

14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:

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

UN No. ROAD: 3267 **ADR CLASS:** 8 **ADR ITEM No.:** 56(c)

CEPIC TEC(R) No.: 80G15 **PROPER SHIPPING NAME I:**
CORROSIVE LIQUID, BASIC, ORGANIC,
N.O.S.

IMDG CLASS: 8 **IMDG PAGE No.:** 8169 **IMDG PACK GR.:** III

EmS No.: 8-05 **MFAG TABLE No.:** 320 **ICAO CLASS:** 8

AIR PACK GR.: III

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY: HARMFUL

RISK PHRASES:

R-20 Harmful by inhalation.

R-36/37/38 Irritating to eyes, respiratory system and skin.

R-42/43 May cause sensitisation by inhalation and skin contact.

SAFETY PHRASES:

S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S-37 Wear suitable gloves.

S-38 In case of insufficient ventilation, wear suitable respiratory equipment.

S-24/25 Avoid contact with skin and eyes.

S-23A Do not breathe gas/fumes/vapour/spray.

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: 31/7/98