

Precious Metal Cleaner

INTRODUCTION

Precious Metal Cleaner is a highly effective, economical, soak/electrolytic cleaner which will rapidly remove soils from many types of surface without attack on the base metal. Precious Metal Cleaner will quickly remove soils such as oils, greases, heavy machine oils, light polishing compositions, lanolin greases and swarf.

BENEFITS

- Will remove difficult soils.
- High detergency, aids cleaning and prevents re-contamination.
- Free rinsing surfactants help prevent staining.
- Dual purpose- soak and electrolytic capability enables a single tank to be used.
- Versatile, effective on a wide range of materials.

SOLUTION MAKE-UP

Precious Metal Cleaner	1 Pack
Water	5 Litres

It is essential that the tanks to be used for Precious metal cleaner are thoroughly cleaned and leached before any chemistry is introduced. If in any doubt as to the cleaning procedure please contact PMD Chemicals Technical Department.

1. Half fill the equipment with clean water.
2. Add, with constant stirring, the required amount of Precious Metal Cleaner.
3. Continue stirring until all solids have dissolved.
4. Make up to the correct volume with clean water.
5. Heat to operating temperature.

OPERATING DATA

Temperature	20 – 60°C		
Time	30 secs – 5 mins		
Current density	30 – 45 asf (3 – 4.5 asd)		
Voltage	Cathodic	6 – 8 v	
	Anodic	4 v	

EQUIPMENT

Tanks	Stainless steel, Polypropylene, Polyethylene, Unplasticised PVC, Titanium. Small volumes glass or steel beaker
Heaters	Teflon coated, PTFE or Titanium with thermostatic control.



PROCESS SEQUENCE

The following is a typical process sequence which has been shown to give excellent results. If in any doubt as to the correct process sequence, contact PMD Chemicals Limited Technical Department.

Brass and Copper

1. Cathodic Clean, Precious Metal Cleaner.
2. Anodic Flash Clean, if required, in station 1.
3. Rinse.
4. Rinse.
5. 10% Sulphuric acid dip.
6. Rinse.
7. Electroplate.

MAINTENANCE AND CONTROL

The solution should be replaced when no longer effective.

Evaporation losses should be replaced with water.

DISPOSAL

Dispose of in accordance with local authority requirements

PRODUCT FAMILIES

The following products are referred to in this data sheet.

PRODUCT NAME	PRODUCT NUMBER
Precious Metal Cleaner	206030

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