

Technical Data Sheet

PHOS-PREP PP VMA & VMC

1. USES OF THE PRODUCT

PHOS PREP PP VMA & VMC are powder products, specifically designed for use as a pre-dip before Class 1 phosphate processes allowing work to be alkali cleaned and/or acid pickled, producing a fine grain coating similar to that obtained after solvent degreasing.

It is a 2 pack product used in a ratio of 1: 1

2. TYPICAL SEQUENCE OF OPERATIONS

Stage No.	Stage description
1	Pre-clean acid or alkaline cleaning
2	Cold running water rinse(s)
3	VMA & VMC
4	Class 1 phosphate PP 970M
5	Cold water rinse, etc.

3. OPERATING THE PROCESS

3.1 Chemicals Used

Product Name	Description
VMA & VMC	Refining process chemical

3.2 Make-Up

To make-up the solution, carry-out the following instructions:

Determine the working volume of the tank or refer to the relevant Plant Information Summary Sheet.

Fill the tank with clean water and heat to the operating temperature

For each 1000 litres of working solution add in the following order:

Product Name	Quantity
VMC	3 kg
Mix thoroughly then add	
VMA	3 kg

Mix thoroughly and the pre-dip rinse is ready for use. Air agitation should be used to keep the refiner salts in suspension.



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3.3 Operating Parameters

Process time	2 minutes
Temperature	ambient - 55°C
Concentration	2g/l

Specific operating conditions will be established at the time of commissioning.

3.4 Testing & Control

There is no chemical test method. During normal usage 2g per lit of both VMA and VMC should be added on a weekly basis in periods of high usage further additions may be required a few days apart.

4. STORAGE & HANDLING

Store in a cool dry place away from foodstuff and incompatible materials. Open sacks may be transferred to suitable plastic lidded containers.

Open bags carefully. Wear a face mask to avoid breathing dust. Contents may be transferred to plastic lidded containers to facilitate usage.

VMA & VMC are an irritant dust. Gloves, eye protection and a dust mask should be worn when handling the powder.

Containers must be emptied, rinsed out and recapped or rebunged before collection by the supplier can be made. EPA regulation. Non-returnable containers must be disposed of via a licenced waste carrier.

5. EQUIPMENT

Tanks and heating equipment may be fabricated from mild steel plate, double-welded inside and out.

Air-agitation is recommended during operation to ensure uniform dispersion of the colloidal powder throughout the solution.

6. MAINTENANCE

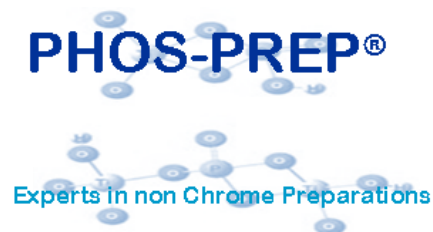
Hose out the tank before remaking solution. Agitate the solution before use to ensure dispersion of the colloid. A consent to discharge will be required from the Local Water Authority or disposal via a licensed waste carrier.

7. HEALTH & SAFETY

The process evolves no hazardous fumes and is essentially non-hazardous in use when used as directed. Contact with the working solution should be avoided. If contact with the eyes occurs, irrigate with copious quantities of clean water and seek medical attention if discomfort persists. Eyewash facilities should be available near the plant in case of accident.



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A good standard of industrial hygiene should be observed when handling chemicals or operating the process. Do not smoke or eat when handling chemicals and ensure that protective equipment is replaced, maintained or regularly laundered as recommended.

Further information, including First Aid details, as required by COSHH Regulations will be found in the relevant Material Safety Data Sheet.

8. ADVISORY SERVICE

Further information and recommendations, including Plant Advisory Service, are available.

PLEASE NOTE THAT THE INFORMATION CONTAINED IN THIS PRODUCT INFORMATION SHEET IS ONLY A GENERAL GUIDE TO OPERATE THE PROCESS. TECHNICAL SERVICES WILL RECOMMEND THE OPERATING PARAMETERS SUITABLE FOR SPECIFIC PLANT.

EVERY ENDEAVOUR HAS BEEN MADE TO ENSURE THAT THE INFORMATION IN THIS DOCUMENT IS RELIABLE, BUT WE DO NOT ACCEPT ANY LIABILITY FOR ANY LOSS, INJURY OR DAMAGE WHICH MAY RESULT FROM ITS USE.