

**MATERIAL SAFETY DATA SHEET**

Issue: A

Date/Revision: January 2007

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**1. IDENTIFICATION OF SUBSTANCE OR PREPARATION**

**PRODUCT:** Metal Prep Concentrate

**APPLICATION:** A liquid concentrate used in metal treatment and phosphating.

**COMPANY UNDERTAKING IDENTIFICATION:**

Permanent Painted Coatings Unit 1 / 4 Prosperity Parade, Warriewood, NSW 2102

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA**

**HAZARDOUS INGREDIENTS**

<b>Name</b>	<b>%</b>	<b>Hazard symbol/Risk &amp; safety phrases</b>
Phosphoric acid	5-15% w.w	Xi: R36/38: Irritating to eyes and skin. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Nitric acid	<5% w.w.	Xi: R36/38: Irritating to eyes and skin. S23: Do not breathe vapours, S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S36: Wear suitable protective clothing,

**3. HAZARDS IDENTIFICATION**

**Ingestion:** IRRITANT: Irritating to lips and mouth. May cause pain to throat and stomach if ingested in large quantities.

**Eye contact:** IRRITANT: Severe pain, intense watering, and redness.

**Skin contact:** IRRITANT: Irritating at point of contact, may cause dermatitis rash on sensitive skin.

**Inhalation:** IRRITANT: Shortness of breath, cough, soreness of chest.

This information is given in good faith, being compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It does not constitute an assessment in use as required by WORKSAFE regulations.

**PERMANENT PAINTED COATINGS****METAL READY**

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**3. ECOLOGICAL EFFECTS**

Test type	Species	Low	Qua	High	Units	Time/Ref
Not established						

**4. FIRST AID MEASURES**

**Eyes:** Flush continuously with clean running water, holding eyelids apart, until medical aid arrives. Do not stop for at least 20 minutes. Consult doctor.

**Skin:** Flush with copious amounts of water whilst removing contaminated clothing. Seek medical advice.

**Ingestion:** Do not induce vomiting. Give several glasses of water to drink. Consult doctor immediately.

**Inhalation:** Remove casualty to fresh air. Wash nose, mouth and throat (gargle) with water. Give milk to drink. Seek medical advice.

**5. FIRE FIGHTING MEASURES**

**Extinguishing media:** Material not flammable. Use as appropriate to surroundings.

**Fire and explosion hazards:** Reacts with metals to liberate hydrogen gas.

**Protective measures:** Wear breathing apparatus and fight fire from remote locations.

**6. ACCIDENTAL RELEASE MEASURES (SPILLAGE) - SEE ALSO (13) DISPOSAL CONSIDERATIONS**

**Personal precautions:** Ensure adequate ventilation. Wear protection as detailed in (7).

**Environmental precautions:** If product has entered drains, advise local river authority.

**Recovery:** Mop up using inert media and plastic tools. Place waste in plastic containers and allow to stabilise prior to sealing lid.

**7. STORAGE AND HANDLING (IN NORMAL USE)**

**Storage:** Store in a cool, dry, well-ventilated area away from direct sunlight.

**Storage temp:** minimum: -12°C maximum: 50°C

**Handling:** Wear protective clothing, footwear, hand/eye protection. Ensure adequate ventilation in use.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (NORMAL USE)

#### OCCUPATIONAL EXPOSURE LIMITS:

Name	8hr TWA (EH40)	15 min (EH40)	EEC No	CAS No
Phosphoric acid LD50 oral (rat) = 1580 mg/kg	--	2 mg/m <sup>3</sup>	231-633-2	7664-38-2
Nitric acid LD50 oral (rat) = 1650 mg/kg	2 ppm	4 ppm	231-714-2	7697-37-2

**ENGINEERING MEASURES:** Provide local exhaust ventilation at point of use.

#### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory:** If mists or vapours are generated, suitable respiratory protection should be worn

**Hand:** Suitable rubber gloves

**Eye:** Safety glasses/face shield to BS 2092 or equivalent standard

**Other:** Protective clothing, footwear and barrier creams.

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### 9. PHYSICAL/CHEMICAL PROPERTIES:

<b>Appearance:</b>	Pale green liquid
<b>Odour:</b>	None
<b>pH (as delivered):</b>	<1.0
<b>Viscosity:</b>	N/A
<b>Boiling point:</b>	>100°C
<b>Flash point</b>	>120°C
<b>Vapour pressure:</b>	N/A
<b>Vapour density:</b>	N/A
<b>Relative density (SG):</b>	1.00
<b>Solubility:</b>	Complete in water

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### 10. STABILITY AND REACTIVITY:

**Stability:** Stable

**Conditions to avoid:** Contact with cyanides.

**Materials to avoid:** Alkalis, oxidising agents

**Hazardous decomposition products:** Oxides of carbon, nitrogen and phosphorous

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**11. TOXICOLOGICAL INFORMATION:****(Acute) short term effects**

<b>Eyes:</b>	Corneal ulceration after eye contact
<b>Skin:</b>	Tissue loss and scarring
<b>Ingestion:</b>	Haematemesis and oesophageal stricture, gastric perforation
<b>Inhalation:</b>	Pulmonary oedema after inhalation: treat by positive pressure ventilation Dental dissolution
<b>(Chronic) long term effects:</b>	Lung, liver and kidney impairment if inhaled or ingested in significant quantities

**12. ECOLOGICAL INFORMATION:**

<b>Biodegradability:</b>	Complete
<b>Bio accumulative potential:</b>	Not considered to bio accumulate
<b>Aquatic toxicity:</b>	Toxic to fish and aquatic invertebrates
<b>Other:</b>	

**13. DISPOSAL CONSIDERATIONS:**

Do not empty into drains. Do not allow to enter waterways or sewers. Always check and comply with local and state regulations. Dispose of residues at an approved chemical treatment facility.

**14. TRANSPORT:**

<b>IMDG code:</b>	NA	<b>Pois. Sched:</b>	NA	<b>Marine pollutant:</b>	No
<b>UN No:</b>	NA	<b>Haz. Chem:</b>	A	<b>Transport symbol:</b>	NA
<b>Packing group:</b>	NA	<b>RID/ADR:</b>	NA	<b>Tremcard No:</b>	NA
<b>(Issue:A )</b>					

**Further information:** Please note: Transport information is current only from the date of issue of safety data sheet

**15. REGULATORY INFORMATION: Refer to the "Chemicals (Hazard Information & Packaging) Regulations"****16. OTHER INFORMATION:**Contact Point

<u>Name</u>	<u>Address</u>	<u>Telephone No.</u>	<u>Contact</u>
Permanent Painted Coatings	Unit 1 / 4 Prosperity Parade WARRIEWOOD, NSW 2102	(02) 9999 0122	Rob