

# Safety Data Sheet

## According to HSNO Regulations

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### Metal Prep

#### SECTION 1: Identification

##### Product identifier

**Product name:** Metal Prep

**Product code:** 40201, 40204, 40205, 40216, 40255, 240201, 240204, 240205, 240216, 240255

**Additional information:** No additional information available.

##### Recommended use of the product and restriction on use:

**Relevant identified uses:** Metal cleaner

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

##### Manufacturer or supplier details

###### Manufacturer:

P.O.R. Products  
38 Portman Road  
New Rochelle, NY 10801  
914-636-0700

###### Supplier:

PaintSmart Group Ltd  
6 Killarney Lane  
Frankton, Hamilton 3204  
+64 7 571 8921  
www.paintsmart.co.nz



##### Emergency telephone number:

**ChemTel Inc.**

+1 813 248 0585

**Poisons Information Center, New Zealand**

0800 764 766

#### SECTION 2: Hazards identification

**Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.**

**Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2017**

##### HSNO Classification or Subclasses - Physical hazards:

Class	GHS Category	HSNO Category
None known	None known	None known

##### HSNO Classification or Subclasses - Health hazards:

Class	GHS Category	HSNO Category
Skin corrosion	Category 1A	8.2A
Carcinogenicity	Category 1A	6.7A
Specific target organ toxicity - single exposure	Category 3, respiratory irritation	6.1E
Specific target organ toxicity - repeated exposure	Category 2	6.9B

##### HSNO Classification or Subclasses - Environmental hazards:

Class	GHS Category	HSNO Category
None known	None known	None known

##### GHS classification:

Skin corrosion, category 1A

Carcinogenicity, category 1A

Specific target organ toxicity - single exposure, category 3, respiratory irritation

Specific target organ toxicity - repeated exposure, category 2

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#### Label elements

##### Hazard pictograms:



**Signal word:** Danger

#### Hazard statements and Precautionary statements:

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H350 May cause cancer if inhaled as a mist.

H373 May cause damage to organs (lungs, respiratory system) through prolonged or repeated exposure if inhaled as a mist.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash hands and skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P281 Use personal protective equipment as required.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see first aid information on this label).

P363 Wash contaminated clothing before reuse

P403+P233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

#### Hazards not otherwise classified:

None known.

### SECTION 3: Composition/information on ingredients

#### Mixture:

Identification	Name	Weight %
CAS number: 7664-38-2	Phosphoric acid solutions	10-12
CAS number: 7779-90-0	Zinc phosphate	2-5

#### Additional information:

None known

### SECTION 4: First-aid measures

For advice, contact a Poisons Information Center (e.g. phone Australia 131 126, New Zealand 0800 764 766) or a doctor.

#### Description of first aid measures

##### General notes:

Not determined or not available.

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#### After inhalation:

- Loosen clothing as necessary and position individual in a comfortable position
- Maintain an unobstructed airway
- Get medical advice/attention if you feel unwell
- Take precautions to ensure your own safety
- Remove source of exposure or move person to fresh air and keep comfortable for breathing
- Immediately call a POISON CONTROL CENTER or seek medical attention
- If breathing has stopped, trained personnel should begin rescue breathing
- Avoid mouth-to-mouth contact by using a barrier device
- If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

#### After skin contact:

- Rinse affected area with soap and water.
- If symptoms develop or persist, seek medical attention.
- Avoid direct contact and wear chemical protective clothing, if necessary
- Immediately take off all contaminated clothing
- Gently blot or brush away excess product
- Rinse skin with lukewarm, gently flowing water until medical aid is available
- Immediately call a POISON CONTROL CENTER or seek medical attention
- Wash contaminated clothing before re-use or discard

#### After eye contact:

- Rinse/flush exposed eye(s) gently using water for 15-20 minutes
- If symptoms develop or persist, seek medical attention
- Avoid direct contact and wear chemical protective gloves, if necessary
- Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open
- Remove contact lenses, if present and easy to do so
- Continue rinsing until medical aid is available
- Immediately call a POISON CONTROL CENTER or seek medical attention

#### After swallowing:

- Rinse mouth thoroughly
- Seek medical attention if irritation, discomfort, or vomiting persists
- Immediately call a POISON CONTROL CENTER or seek medical attention
- Do not induce vomiting and rinse mouth
- If vomiting occurs naturally, lie on your side, in the recovery position
- If breathing has stopped, trained personnel should begin rescue breathing
- Avoid mouth-to-mouth contact by using a barrier device
- If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

#### Most important symptoms and effects, both acute and delayed:

##### Acute symptoms and effects:

Exposure to skin may result in redness, pain, burning, inflammation and tissue damage. Exposure to eyes may result in irritation, redness, pain, inflammation, itching, burning and tearing. Exposure via inhalation may result in cough, sore throat, burning sensation and shortness of breath. Exposure via ingestion may result in burns of the mouth and throat, abdominal pain, burning sensation in the throat and chest, nausea, vomiting, shock or collapse.

##### Delayed symptoms and effects:

Suspected of causing cancer. Effects are dependent on exposure (dose, concentration, contact time).

#### Immediate medical attention and special treatment:

##### Specific treatment:

Not determined or not available.

##### Notes for the doctor:

Treat symptomatically.

#### Workplace Facilities:

Not determined or not available.

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#### SECTION 5: Fire-fighting measures

##### Extinguishing media

###### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

###### Unsuitable extinguishing media:

Not determined or not applicable.

##### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors.

##### Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

##### Special precautions:

Not determined or not applicable.

##### Hazchem or Emergency Action Code:

HAZCHEM code:2X

#### SECTION 6: Accidental release measures

##### Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

##### Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

##### Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).

Dispose of contents / container in accordance with local regulations.

##### Reference to other sections:

Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

#### SECTION 7: Handling and storage precautions

##### Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

##### Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

##### Safe packaging material

###### Suitable material:

Not determined or not applicable.

###### Unsuitable material:

Not determined or not applicable.

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## SECTION 8: Exposure controls and personal protection

### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
New Zealand	Phosphoric acid solutions	7664-38-2	TWA: 1 mg/m <sup>3</sup>

### Biological limit value:

No biological exposure limits noted for the ingredient(s)

### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls

Biological monitoring may also be appropriate for some substances

### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Use explosion-proof ventilation equipment.

### Personal protection equipment

#### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

Appearance	Clear Blue Liquid
Odor	Odorless
Odor threshold	Not determined or not available.
pH	2.5
Melting point/freezing point	Melting: Approximately 0°C (32°F); Freezing: Approximately 100°C (212°F)
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	No Flash Point
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	23.7 mm Hg @ 25°C

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<b>Vapor density</b>	Not determined or not available.
<b>Density</b>	1.07 g/mL
<b>Relative density</b>	Not determined or not available.
<b>Solubilities</b>	Miscible in water.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>Dynamic viscosity</b>	Not determined or not available.
<b>Kinematic viscosity</b>	Not determined or not available.
<b>Explosive properties</b>	Not determined or not available.
<b>Oxidizing properties</b>	Not determined or not available.

### Other information

<b>VOC Content</b>	0.0767 gr/L / 0.0071% w/w
<b>Recommended Storage Temperature</b>	40°F - 90°F
<b>Recommended Shelf Life</b>	Unopened, 3 Years

### SECTION 10: Stability and reactivity

#### Reactivity:

Does not react under normal conditions of use and storage.

#### Chemical stability:

Stable under normal conditions of use and storage.

#### Possibility of hazardous reactions:

None under normal conditions of use and storage.

#### Conditions to avoid:

Prolonged exposure to high temperatures.

Alkaline conditions (high pH).

#### Incompatible materials:

Reacts violently with: strong bases (e.g. sodium hydroxide).

Slightly reactive or incompatible with the following materials: aromatic hydrocarbons (e.g. toluene).

Forms flammable chemicals on contact with: metals (e.g. aluminum), strong bases (e.g. sodium hydroxide), strong oxidizing agents (e.g. perchloric acid), strong reducing agents (e.g. hydrides).

#### Hazardous decomposition products:

Irritating chemicals; toxic chemicals; corrosive phosphorous oxides.

### SECTION 11: Toxicological information

#### Acute toxicity:

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Skin corrosion/irritation:

**Assessment:** Causes severe skin burns and eye damage

**Product data:** No data available.

**Substance data:**

Name	Result
Phosphoric acid solutions	Corrosive to skin.

#### Serious eye damage/irritation:

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

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#### Respiratory or skin sensitization:

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Carcinogenicity

**Assessment:** May cause cancer

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

#### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Specific target organ toxicity (single exposure)

**Assessment:** May cause respiratory irritation

**Product data:** No data available.

**Substance data:** No data available.

#### Specific target organ toxicity (repeated exposure)

**Assessment:** May cause damage to organs through prolonged or repeated exposure

**Product data:** No data available.

**Substance data:** No data available.

#### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Information on likely routes of exposure:

No data available.

#### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

#### Other information:

No data available.

### SECTION 12: Ecological information

#### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Zinc phosphate	LC50 - Thymallus arcticus - 0.112 mg/L - 96 h
	NOEC - Daphnia magna - 0.048 mg/L - 3 w

#### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

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#### Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

#### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

#### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

#### Hazard to the ozone layer

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.


### SECTION 13: Disposal considerations

#### Disposal methods:


It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

### SECTION 14: Transportation information

#### Road/Rail transport: (NZS 5433:1999)

UN number	3264
UN proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid solutions)
UN transport hazard class(es)	8 
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### International Air Transport Association Dangerous Goods Regulations (IATA-ICAO)

UN number	3264
UN proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid solutions)
UN transport hazard class(es)	8 
Packing group	III
Environmental hazards	None
Special precautions for user	None
ERG code	8L
Excepted quantities	E1
Passenger and cargo	5L
Cargo aircraft only	60L
Limited quantity	1L



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<b>Additional Information</b>	No additional data
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#### International Maritime Dangerous Goods (IMDG)

<b>UN number</b>	3264
<b>UN proper shipping name</b>	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid solutions)
<b>UN transport hazard class(es)</b>	8 
<b>Packing group</b>	III
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None
<b>EmS number</b>	F-E, S-E
<b>Stowage category</b>	A
<b>Excepted quantities</b>	E1
<b>Limited quantity</b>	5L

#### Transport in bulk according to Annex II of MARPOL and the IBC Code

<b>Bulk Name</b>	None
<b>Ship type</b>	None
<b>Pollution category</b>	None

### SECTION 15: Regulatory information

#### New Zealand Inventory of Chemicals (NZIoC):

7779-90-0	Zinc phosphate	Listed
7664-38-2	Phosphoric acid solutions	Listed

#### HSNO Classification or Subclasses:

<b>Class</b>	<b>GHS Category</b>	<b>HSNO Category</b>
Skin corrosion	Category 1A	8.2A
Carcinogenicity	Category 1A	6.7A
Specific target organ toxicity - single exposure	Category 3, respiratory irritation	6.1E
Specific target organ toxicity - repeated exposure	Category 2	6.9B

<b>HSNO Group Standard Name :</b>	<b>HSNO Approval Number:</b>
Surface Coatings and Colourants (Corrosive, Toxic [6.7])	HSR002660

### SECTION 16: Other information

**Abbreviations and Acronyms:** None

#### Disclaimer:

The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the

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specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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**Revision Date:** New

**End of Safety Data Sheet**