

## POR-15 METAL PREP

Version number: GHS 3.0  
Replaces version of: 2023-03-31 (GHS 2)

Revision: 2023-04-10

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name **POR-15 METAL PREP**  
Product code(s) 40201, 40204, 40216, 40255

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses General use  
Uses advised against Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.

#### 1.3 Details of the supplier of the safety data sheet

e-mail (competent person) support@porproducts.com

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer:** P.O.R. Products:  
38 Portman Road:  
New Rochelle:  
NY 10801:  
United States:  
support@porproducts.com:  
www.porproducts.com:  
**Supplier of Product:** Paint Smart Group Ltd  
10 Barberry Street  
3110  
Judea  
Tauranga  
New Zealand  
+64 7 571 8921:

#### 1.4 Emergency telephone number

New Zealand ((Mon - Fri, 09:00-17:00 NZST) NZ Poisons Information Center: 0800 764 766 or +(64) 3 479 7248

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
3.2	skin corrosion/irritation	1	Skin Corr. 1	H314
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
4.1A	hazardous to the aquatic environment - acute hazard	2	Aquatic Acute 2	H401
4.1C	hazardous to the aquatic environment - chronic hazard	3	Aquatic Chronic 3	H412

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. Spillage and fire water can cause pollution of watercourses.

#### 2.2 Label elements

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**Labelling**

- Signal word                      danger

- Pictograms

GHS05



- Hazard statements

H314                      Causes severe skin burns and eye damage.

H411                      Toxic to aquatic life with long lasting effects.

- Precautionary statements

P101                      If medical advice is needed, have product container or label at hand.

P102                      Keep out of reach of children.

P103                      Read carefully and follow all instructions.

P260                      Do not breathe dusts or mists.

P273                      Avoid release to the environment.

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

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

P302+P361+P354       IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.

P304+P340               IF INHALED: Remove person to fresh air and keep 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.

P305+P354+P338       IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P316                      Get emergency medical help immediately.

P321                      Specific treatment (see on this label).

P363                      Wash contaminated clothing before reuse.

P405                      Store locked up.

P501                      Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling                      phosphoric acid ... %

**2.3 Other hazards**

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0,1\%$ .

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0,1\%$ .

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not relevant (mixture)

**3.2 Mixtures**

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### Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
phosphoric acid ... %	CAS No 7664-38-2	10 – < 25	Skin Corr. 1B / H314 Eye Dam. 1 / H318
trizinc bis(orthophosphate)	CAS No 7779-90-0	5 – < 10	Aquatic Acute 1 / H400 Aquatic Chronic 2 / H411

For full text of abbreviations: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

### 4.3 Indication of any immediate medical attention and special treatment needed

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

Water jet

### 5.2 Special hazards arising from the substance or mixture

#### Hazardous combustion products

Phosphorus oxides (P<sub>x</sub>O<sub>y</sub>)

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### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

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

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

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

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas. Never add water to this product.

- Handling of incompatible substances or mixtures

Do not mix with alkali.

- Keep away from

Caustic solutions

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

Control of effects

Protect against external exposure, such as

frost

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

this information is not available

Relevant DNELs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
trizinc bis(orthophosphate)	7779-90-0	DNEL	5 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
trizinc bis(orthophosphate)	7779-90-0	DNEL	83 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
trizinc bis(orthophosphate)	7779-90-0	PNEC	20.6 µg/l	aquatic organisms	freshwater	short-term (single instance)
trizinc bis(orthophosphate)	7779-90-0	PNEC	6.1 µg/l	aquatic organisms	marine water	short-term (single instance)
trizinc bis(orthophosphate)	7779-90-0	PNEC	100 µg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
trizinc bis(orthophosphate)	7779-90-0	PNEC	117.8 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
trizinc bis(orthophosphate)	7779-90-0	PNEC	56.5 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
trizinc bis(orthophosphate)	7779-90-0	PNEC	35.6 mg/kg	terrestrial organisms	soil	short-term (single instance)

### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

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### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Skin protection

##### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### - Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	not determined
Odour	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	100 °C
Flammability	non-combustible
Lower and upper explosion limit	not determined
Flash point	not determined
Auto-ignition temperature	not determined
Decomposition temperature	not relevant
pH (value)	0.5 – 1 (acid)
Kinematic viscosity	not determined

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**Solubility(ies)**

Water solubility

miscible in any proportion

**Partition coefficient**

Partition coefficient n-octanol/water (log value)

this information is not available

Vapour pressure

not determined

**Density and/or relative density**

Density

10.22 lb/gal

Relative vapour density

information on this property is not available

Particle characteristics

not relevant (liquid)

**9.2 Other information**

Information with regard to physical hazard classes

hazard classes acc. to GHS (physical hazards): not relevant

**Other safety characteristics**

Miscibility

Completely miscible with water.

Solid content

17 %

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

**10.2 Chemical stability**

See below "Conditions to avoid".

**10.3 Possibility of hazardous reactions**

No known hazardous reactions.

**10.4 Conditions to avoid**

There are no specific conditions known which have to be avoided.

**10.5 Incompatible materials**

There is no additional information.

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Release of flammable materials with:

Light metals (due to the release of hydrogen in an acid/alkaline medium)

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

### 11.2 Information on other hazards

There is no additional information.



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### SECTION 12: Ecological information

#### 12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
phosphoric acid ... %	7664-38-2	EC50	>100 mg/l	aquatic invertebrates	48 h
phosphoric acid ... %	7664-38-2	ErC50	>100 mg/l	algae	72 h
trizinc bis(orthophosphate)	7779-90-0	LC50	315 µg/l	fish	96 h
trizinc bis(orthophosphate)	7779-90-0	EC50	860 µg/l	aquatic invertebrates	48 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
phosphoric acid ... %	7664-38-2	EC50	>1,000 mg/l	microorganisms	3 h
trizinc bis(orthophosphate)	7779-90-0	LC50	330 µg/l	fish	95 h
trizinc bis(orthophosphate)	7779-90-0	EC50	5.2 mg/l	microorganisms	3 h

#### 12.2 Persistence and degradability

Data are not available.

#### 12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
trizinc bis(orthophosphate)	7779-90-0	28,960		

#### 12.4 Mobility in soil

Data are not available.

#### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0,1\%$ .

#### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0,1\%$ .

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**12.7 Other adverse effects**

Data are not available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

**Remarks**

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

**SECTION 14: Transport information****14.1 UN number**

UN RTDG	UN 3264
IMDG-Code	UN 3264
ICAO-TI	UN 3264

**14.2 UN proper shipping name**

UN RTDG	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
IMDG-Code	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
ICAO-TI	Corrosive liquid, acidic, inorganic, n.o.s.
Technical name (hazardous ingredients)	phosphoric acid ... %

**14.3 Transport hazard class(es)**

UN RTDG	8
IMDG-Code	8
ICAO-TI	8

**14.4 Packing group**

UN RTDG	II
IMDG-Code	II
ICAO-TI	II

**14.5 Environmental hazards**

Environmentally hazardous substance (aquatic environment)	hazardous to the aquatic environment trizinc bis(orthophosphate)
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**14.6 Special precautions for user**

There is no additional information.

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### 14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

There is no additional information.

#### National regulations (New Zealand)

New Zealand Inventory of Chemicals  
(NZIoC)

Industrial and Institutional Cleaning Products (Corrosive, Carcinogenic) Group Standard 2020  
HSR002588.

### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Key literature references and sources for data

Globally Harmonized System of Classification and Labelling of Chemicals ("Purple book").

UN Recommendations on the Transport of Dangerous Goods. International Maritime Dangerous Goods Code (IMDG).  
Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.