

# Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 01.08.2015

Page 1 of 7

## POR-15 Metal Prep

### SECTION 1 : Identification of the substance/mixture and of the supplier

**Product name :** POR-15 Metal Prep

**Manufacturer/Supplier Trade name:**

**Manufacturer/Supplier Article number:** 40201, 40204, 40205, 40232, 40255

**Recommended uses of the product and uses restrictions on use:** Removes rust from all metals. The best preparation for POR-15 Rust Preventive Coating.

**Manufacturer Details:**

Absolute Coatings Inc.  
38 Portman Road  
New Rochelle, NY 10801

**Emergency telephone number:**

ChemTel Inc +1 800 255 3924,+1 813 248 0585

### SECTION 2 : Hazards identification

**Classification of the substance or mixture:**



**Corrosive**



**Environmentally Damaging**

Serious eye damage 1

Skin Irrit. 2

Aquatic Chronic 2

**Signal word :**Warning

**Hazard statements:**

Causes severe skin burns and eye damage

Toxic to aquatic life with long lasting effects

Very toxic to aquatic life

**Precautionary statements:**

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

Keep out of reach of children

Read label before use

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

Wash skin thoroughly after handling

Avoid release to the environment

IF ON SKIN: Wash with soap and water

If skin irritation occurs: Get medical advice/attention

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing

Store in a well ventilated place

Dispose of contents and container as instructed in Section 13

# Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 01.08.2015

Page 2 of 7

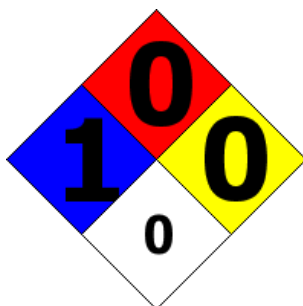
## POR-15 Metal Prep

### Other Non-GHS Classification:

#### WHMIS



#### NFPA/HMIS



NFPA SCALE (0-4)

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	X

HMIS RATINGS (0-4)

### SECTION 3 : Composition/information on ingredients

Ingredients:		
CAS 7664-38-2	Phosphoric Acid	8.52 %
CAS 7732-18-5	Deionized Water	86.43 %
CAS 7779-90-0	Zinc Phosphate	4.55 %
Percentages are by weight		

### SECTION 4 : First aid measures

#### Description of first aid measures

**After inhalation:** Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position.

**After skin contact:** Rinse exposed skin with water for 20 minutes.

**After eye contact:** Protect unexposed eye. Flush exposed eye gently using water for 15-20 minutes. Immediately seek medical attention. Continue rinsing eyes during transport to the hospital.

**After swallowing:** Rinse mouth thoroughly. Do not induce vomiting.

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

;7664-38-2: Stomach - Irregularities - Based on Human Evidence. 7664-38-2: Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

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

If seeking medical attention, provide SDS document to physician.

### SECTION 5 : Firefighting measures

#### Extinguishing media

**Suitable extinguishing agents:** Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant

# Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 01.08.2015

Page 3 of 7

## POR-15 Metal Prep

foam.

**For safety reasons unsuitable extinguishing agents:**

**Special hazards arising from the substance or mixture:**

Hydrogen gas is released in contact with most metals. Thermal decomposition can lead to release of irritating gases and vapors.

**Advice for firefighters:**

**Protective equipment:** Wear protective eyewear, gloves, and clothing. Refer to Section 8.

**Additional information (precautions):**

### SECTION 6 : Accidental release measures

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

Ensure adequate ventilation.

**Environmental precautions:**

Prevent from reaching drains, sewer or waterway.

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

Evacuate personnel to safe areas. Containerize for disposal. Refer to Section 13. Keep in suitable closed containers for disposal. Soak up with inert absorbent material. Wear protective eyewear, gloves, and clothing. Refer to Section 8. Always obey local regulations. If necessary use trained response staff or contractor.

**Reference to other sections:**

### SECTION 7 : Handling and storage

**Precautions for safe handling:**

Wash hands after handling. Avoid contact with skin and eyes. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances.

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

Keep away from food and beverages. Protect from freezing and physical damage. Keep container tightly sealed. Store away from incompatible materials.

### SECTION 8 : Exposure controls/personal protection



**Control Parameters:**

7664-38-2, Phosphoric Acid, ACGIH TLV: 1 mg/m<sup>3</sup> as TWA  
7664-38-2, Phosphoric Acid, ACGIH TLV 3 mg/m<sup>3</sup> as STEL  
7664-38-2, Phosphoric Acid, OSHA PEL†: TWA 1 mg/m<sup>3</sup> (See 29 CFR 1910.1000 Appendix G)  
7664-38-2, Phosphoric Acid, NIOSH REL: TWA 1 mg/m<sup>3</sup>  
7664-38-2, Phosphoric Acid, NIOSH REL ST: 3 mg/m<sup>3</sup>  
7664-38-2, Phosphoric Acid, NIOSH IDLH: 1000 mg/m<sup>3</sup>

**Appropriate Engineering controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

# Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 01.08.2015

Page 4 of 7

## POR-15 Metal Prep

<b>Respiratory protection:</b>	Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment.
<b>Protection of skin:</b>	Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Wear protective clothing.
<b>Eye protection:</b>	Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles and faceshield (8 - inch minimum) are appropriate eye protection.
<b>General hygienic measures:</b>	Perform routine housekeeping. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Before re-wearing wash contaminated clothing.

### SECTION 9 : Physical and chemical properties

<b>Appearance (physical state,color):</b>	Clear blue liquid	<b>Explosion limit lower: Explosion limit upper:</b>	Not Applicable Not Applicable
<b>Odor:</b>	Not Available	<b>Vapor pressure:</b>	23.70 mm Hg (3.16 kPa) at 25°C
<b>Odor threshold:</b>	Not Available	<b>Vapor density:</b>	0.62 estimated (air = 1)
<b>pH-value:</b>	1.5 - 3.0 (10% solution)	<b>Relative density:</b>	Not Applicable
<b>Melting/Freezing point:</b>	Approximately 0°C (32°F)	<b>Solubilities:</b>	Soluble in water
<b>Boiling point/Boiling range:</b>	Approximately 100°C (212°F)	<b>Partition coefficient (n-octanol/water):</b>	Not Available
<b>Flash point (closed cup):</b>	Not Applicable	<b>Auto/Self-ignition temperature:</b>	Not Available
<b>Evaporation rate:</b>	< 1 estimated) (n-butyl acetate = 1)	<b>Decomposition temperature:</b>	Not Applicable
<b>Flammability (solid,gaseous):</b>	Not Applicable	<b>Viscosity:</b>	a. Kinematic: Not Applicable b. Dynamic: 1 mm <sup>2</sup> /s at 20°C (estimated)
<b>Density:</b> Not Available <b>VOC content:</b> 0.0767 g/L / 0.0071% w/w			

### SECTION 10 : Stability and reactivity

**Reactivity:** Nonreactive under normal conditions.  
**Chemical stability:** Stable under normal conditions.  
**Possible hazardous reactions:** None under normal processing.  
**Conditions to avoid:**  
**Incompatible materials:** Metals, strong bases, amines, alcohols, aldehydes.

# Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 01.08.2015

Page 5 of 7

## POR-15 Metal Prep

**Hazardous decomposition products:** Oxides of phosphorus, reactions with certain metals may release explosive and flammable hydrogen gases.

### SECTION 11 : Toxicological information

<b>Acute Toxicity:</b>		
<b>Oral:</b>	7664-38-2	LD50 orl - rat: 1530 mg/m3
<b>Oral:</b>	7779-90-0	LD50 >5000 mg/kg (rat)
<b>Chronic Toxicity:</b> No additional information.		
<b>Corrosion Irritation:</b>		
<b>Dermal:</b>	7664-38-2	Skin corrosion/irritation Irritating to skin.
<b>Ocular:</b>	7664-38-2	Eyes - Rabbit Result : Corrosive to eyes
<b>Sensitization:</b>		No additional information.
<b>Single Target Organ (STOT):</b>		No additional information.
<b>Numerical Measures:</b>		No additional information.
<b>Carcinogenicity:</b>		No additional information.
<b>Mutagenicity:</b>		No additional information.
<b>Reproductive Toxicity:</b>		No additional information.

### SECTION 12 : Ecological information

#### Ecotoxicity

**7664-38-2:** Phosphoric acid has moderate acute and chronic toxicity to aquatic life in waters of low alkalinity.

**Persistence and degradability:** Readily degradable in the environment.

**Bioaccumulative potential:** The phosphorus element is an essential nutrient for flora and fauna

**Mobility in soil:** Aqueous solution has high mobility in soil.

**Other adverse effects:**

### SECTION 13 : Disposal considerations

#### Waste disposal recommendations:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Cover spill with soda ash or calcium carbonate. Mix and add water to form slurry. Decant to drain. Treat the solid residue as normal refuse. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification. Dispose of empty containers as unused product. Product or containers must not be disposed together with household garbage.

### SECTION 14 : Transport information

#### UN-Number

N/A

# Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 01.08.2015

Page 6 of 7

## POR-15 Metal Prep

### UN proper shipping name

Not Regulated.

### Transport hazard class(es)

Packing group:N/A

### Environmental hazard:

Transport in bulk:

Special precautions for user:

## SECTION 15 : Regulatory information

### United States (USA)

#### SARA Section 311/312 (Specific toxic chemical listings):

Acute, Chronic

#### SARA Section 313 (Specific toxic chemical listings):

None of the ingredients is listed

#### RCRA (hazardous waste code):

None of the ingredients is listed

#### TSCA (Toxic Substances Control Act):

All ingredients are listed.

#### CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

7664-38-2 Phosphoric acid 5000

### Proposition 65 (California):

#### Chemicals known to cause cancer:

None of the ingredients is listed

#### Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed

#### Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed

#### Chemicals known to cause developmental toxicity:

None of the ingredients is listed

### Canada

#### Canadian Domestic Substances List (DSL):

All ingredients are listed.

#### Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed

#### Canadian NPRI Ingredient Disclosure list (limit 1%):

7664-38-2 Phosphoric acid

## SECTION 16 : Other information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information

## Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

**Effective date** : 01.08.2015

Page 7 of 7

### POR-15 Metal Prep

contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

#### **GHS Full Text Phrases:**

#### **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

PNEC: Predicted No-Effect Concentration (REACH)

CFR: Code of Federal Regulations (USA)

SARA: Superfund Amendments and Reauthorization Act (USA)

RCRA: Resource Conservation and Recovery Act (USA)

TSCA: Toxic Substances Control Act (USA)

NPRI: National Pollutant Release Inventory (Canada)

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

**Effective date** : 01.08.2015

**Last updated** : 04.29.2015