# MATERIAL SAFETY DATA SHEET

## Section 1: Identification

| | |
|---|---|
| **Product name:** | Precast Rust Remover |
| **Product Code:** | RB10.51 |
| **Recommended use:** | To remove Rust off Steel |
| **Company details:** | Rockbond SCP Ltd |
| **Address:** | 7 Te Puni Street, Petone, Lower Hutt, Wellington, New Zealand |
| **Telephone Number:** | 5012 0800 76 25 26 |

**Emergency telephone number:** 0800 76 25 26 (Hours of Operation 7.30am to 5pm Monday - Friday)
**Date of preparation:** July 2025

## Section 2: Hazards Identification

**Hazard classification:**

**Physical hazards:**
Met. Corr. 1 - H290
**Health hazards:**
Skin Corr. 1B - H314 Eye Dam. 1 - H318
**Environmental hazards:**
Not Classified

**Precautionary statements:**
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.

**Contains:** Phosphoric Acid

**Supplementary precautionary statements:**

P234 Keep only in original container.
P260 Do not breathe vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P310 Immediately call a POISON CENTER/doctor.
P321 Specific treatment (see medical advice on this label).
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P405 Store locked up.
P406 Store in corrosive resistant/… container with a resistant inner liner.
P501 Dispose of contents/container in accordance with national regulations.

## Section 3: Composition/information on ingredients

**Substance** Phosphoric Acid <30%
**CAS number:** 7664-38-2

Skin Corr. 1B - H314
Eye Dam. 1-H318

**Substance:** Butoxyethanol
**CAS number:** 111-76-2
**EC number:** 203-905-0
**Classification:**
Acute Tox. 4-H302
Acute Tox. 4 - H312
Acute Tox. 4- H332
Skin Irrit. 2 -H315
Eye Irrit. 2 - H319

## Section 4: First-aid measures

**For advice, contact the National Poisons Centre (Phone New Zealand: 0800 764 766) or a doctor.**

**Ingestion**
Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.

**Skin Contact**
Remove contaminated clothing and rinse skin thoroughly with water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.

**Eye Contact**
Remove any contact lenses and open eyelids wide apart. Wash with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

**Inhalation**
Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.

**First Aid facilities**
First aid personnel should wear appropriate protective equipment during any rescue.

**Medical Attention**
Remove affected person from source of contamination. Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

## Section 5: Fire-fighting measures

**Extinguishing media:**
Suitable extinguishing media:
Use fire-extinguishing media suitable for the surrounding fire.

**Special hazards arising from the substance or mixture**
Hazardous combustion products: In combustion, harmful or even toxic fumes may be produced

**Advice for firefighters:**
Protective actions during firefighting. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters:**
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## Section 6: Accidental release measures

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

**Personal precautions:** Wear protective clothing as described in Section 8 of this safety data sheet**.**
**Environmental precautions:** Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers o sewers, inform the appropriate authorities in accordance with local regulations.
**Methods for cleaning up:** Absorb spillage with sand or other inert absorbent.

## Section 7: Handling and storage

**Precautions for safe handling** :
Do not handle until all safety precautions have been read and understood. Rea label before use.

Advice on general occupational hygiene: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Provide eyewash station and safety shower.

**Conditions for safe storage**
Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures between 5°C and 25°C

## Section 8: Exposure controls/personal protection

**Phosphoric acid**
Long-term exposure limit (8-hour TWA): WEL 1 mg/m³ respirable dust
Short-term exposure limit (15-minute): WEL 2 mg/m³ respirable dust
**2-butoxyethanol**
Long-term exposure limit (8-hour TWA): WEL 123 mg/m³ vapour
Short-term exposure limit (15-minute): WEL 246 mg/m³ vapour
WEL = Workplace Exposure Limit

**Appropriate engineering controls:**
Provide adequate ventilation.
**Eye/face protection:**
Wear chemical splash goggles.
**Hand protection:**
Wear protective gloves. It is recommended that chemical-resistant, impervious gloves are worn. To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.
**Other skin and body protection:**
Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety shower.
**Hygiene measures:**
Good personal hygiene procedures should be implemented. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Promptly remove any clothing that becomes contaminated.
**Respiratory protection:**
Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. If ventilation is inadequate, suitable respiratory protection must be worn.
**Thermal hazards:**
Contact with hot product can cause serious thermal burns.
Environmental exposure controls:
Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

## Section 9: Physical and chemical properties

| Property | |
|---|---|
| Appearance | Liquid |
| Odour | Characteristic |
| Colour | Colourless to pale yellow |
| pH | pH (concentrated solution): 1-2 |
| Flash Point | >61°C |
| Relative density | 1.1-1.2 |
| Solubility | Miscible with water |

## Section 10: Stability and reactivity

**Chemical stability:**
Stable at normal ambient temperatures and when used as recommended.

**Conditions to avoid:**
Avoid exposure to high temperatures or direct sunlight.

**Reactivity:**
Stable at normal ambient temperatures and when used as recommended.

**Possible hazardous reactions:**
Under normal conditions of storage and use, no hazardous reactions will occur.

**Incompatible materials:**
Alkalis, Massive, solid metal. Powdered metal.

**Hazardous decomposition products:**
In combustion, harmful or even toxic fumes may be produced.

## Section 11: Toxicological information

**Acute toxicity - oral:**
ATE oral (mg/kg) 5,000.0
**Acute toxicity - dermal:**
ATE dermal (mg/kg) 11,000.0
**Acute toxicity - inhalation:**
ATE inhalation (vapours mg/l) 110.0

**Serious eye damage/irritation:**
Corrosive to eyes is assumed.
**Inhalation:**
Burns can occur.
**Ingestion:**
May cause chemical burns in mouth, oesophagus and stomach. May cause chemical burns in mouth and throat. Swallowing concentrated chemical may cause severe internal injury.
**Skin contact:**
Burns can occur.
**Eye contact:**
Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.
**Route of entry:**
Inhalation Ingestion Skin and/or eye contact Combined

## Section 12: Ecological information

**Toxicity:**
No data available.

**Persistence and degradability:**
The product is biodegradable.

**Bioaccumulative potential:**
No data available on bioaccumulation.

**Mobility:**
The product is water-soluble and may spread in water systems.

**Results of PBT and vPvB assessment:**
This product does not contain any substances classified as PBT or vPvB.

**Other adverse effects:**
Fatal to fish and other aquatic life due to low pH.

## Section 13: Disposal considerations

**Disposal Methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Special Precautions**

This material and its container must be disposed of as hazardous waste.

## Section 14: Transport information

**Road and Rail Transport**

| | |
|---|---|
| UN No | 1805 |
| Proper Shipping Name | PHOSPHORIC ACID, SOLUTION |
| DG Class | 8 |
| Sub. Risk | None |
| Pack Group | III |

## Section 15: Regulatory Information

**Country/ Region:** New Zealand

*Chemical safety assessment:*

*No chemical safety assessment has been carried out.*

## Section 16: Other information

**History**

**Date of issue/Date of revision:** July 2025
**Date of previous issue:** May 2023
**Version:** 3

**Notice to reader**

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*If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.*
*Safety Data Sheets are updated frequently. Please ensure you have a current copy.*