

# Safety Data Sheet



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** ReCharge

**Recommended Use of the Chemical and Restrictions on Use** Additive to caustic based CIP cleaning products.

**Supplier:** Ixom Operations Pty Ltd (Incorporated in Australia)  
**NZBN:** 9429041465226  
**Street Address:** 166 Totara Street  
Mt Maunganui South  
New Zealand

**Telephone Number:** +64 9 368 2700  
**Facsimile:** +64 9 368 2710  
**Emergency Telephone:** **0 800 734 607 (ALL HOURS)**

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

## 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 Hazardous Substances (Minimum Degrees of Hazard) Notice 2017 and the Hazardous Substances (Classification) Notice 2017.

**SIGNAL WORD:** DANGER

**Subclasses:**

Subclass 8.1 Category A - Substances that are corrosive to metals.  
Subclass 8.2 Category B - Substances that are corrosive to dermal tissue.  
Subclass 8.3 Category A - Substances that are corrosive to ocular tissue.

Additives, Process Chemicals and Raw Materials (Corrosive) Group Standard 2017  
Approval Number: HSR002491



**Hazard Statement(s):**

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

**Precautionary Statement(s):**

**Prevention:**

P102 Keep out of reach of children.  
P234 Keep only in original container.  
P260 Do not breathe mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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## Response:

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.  
P363 Wash contaminated clothing before re-use.  
P321 Specific treatment (see First Aid Measures on the Safety Data Sheet).  
P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
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.  
P390 Absorb spillage to prevent material damage.

## Storage:

P405 Store locked up.  
P406 Store in corrosive resistant container with a resistant inner liner.

## Disposal:

P501 In case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. This may also include any method of disposal that must be avoided.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

**Product Description:** Contains <30% polymer.

| Components                         | CAS Number | Proportion | Hazard Codes   |
|------------------------------------|------------|------------|----------------|
| Non hazardous component(s)         | -          | >60%       | -              |
| Amino trimethylene phosphonic acid | 6419-19-8  | to 100%    | H303 H315 H319 |

## 4. FIRST AID MEASURES

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

### Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible, either on site or at the nearest hospital.

### Skin Contact:

If spilt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor.

### Eye Contact:

Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport promptly to hospital or medical centre.

### Ingestion:

Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

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

Treat symptomatically. Can cause corneal burns.

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Substance No: 000000053744

Issued: 03/05/2019  
Version: 1

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

**Hazchem or Emergency Action Code:** 2X

**Specific hazards arising from the chemical:**

Non-combustible material. Corrosive chemical.

**Special protective equipment and precautions for fire-fighters:**

Not combustible, however following evaporation of the water component of the material, the residual material can burn if ignited. On burning will emit toxic fumes, including those of oxides of phosphorus, phosphine. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency procedures/Environmental precautions:**

Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

**Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:**

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Neutralise residues with lime or soda ash. Wash area down with excess water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Avoid skin and eye contact and breathing in vapour, mists and aerosols. Remove contaminated clothing and protective equipment before entering eating areas. Wash hands thoroughly after handling. When using do not eat, drink or smoke.

**Conditions for safe storage, including any incompatibilities:** Store in a cool, dry, well ventilated place. Store at above 0°C. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Workplace Exposure Standards:** No value assigned for this specific material by the New Zealand Workplace Health & Safety Authority.

**Appropriate engineering controls:**

Use in well ventilated areas. Keep containers closed when not in use.

**Individual protection measures, such as Personal Protective Equipment (PPE):**

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, CHEMICAL GOGGLES, FACE SHIELD, GLOVES (Long), APRON, RUBBER BOOTS.

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Wear overalls, chemical goggles, face shield, elbow-length impervious gloves, splash apron or equivalent chemical impervious outer garment, and rubber boots. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                      |
|---|----------------------|
| <b>Physical state:</b>                  | Clear Liquid         |
| <b>Colour:</b>                          | Colourless           |
| <b>Odour:</b>                           | Characteristic       |
| <b>Solubility:</b>                      | Miscible with water. |
| <b>Specific Gravity:</b>                | Not available        |
| <b>Relative Vapour Density (air=1):</b> | Not available        |
| <b>Vapour Pressure (20 °C):</b>         | Not available        |
| <b>Flash Point (°C):</b>                | Not applicable       |
| <b>Flammability Limits (%):</b>         | Not applicable       |
| <b>Autoignition Temperature (°C):</b>   | Not applicable       |
| <b>Boiling Point/Range (°C):</b>        | Not available        |
| <b>pH:</b>                              | <1                   |

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Reactivity:</b>                         | Reacts with metals liberating flammable hydrogen gas.  |
| <b>Chemical stability:</b>                 | Stable under normal conditions of use.   |
| <b>Possibility of hazardous reactions:</b> | May react exothermically with strong alkalis.  |
| <b>Conditions to avoid:</b>                | Avoid exposure to heat, sources of ignition, and open flame.   |
| <b>Incompatible materials:</b>             | Incompatible with amines , strong bases , metals , reducing agents , metal salts of sulphides , sulfites , nitrites , strong alkalis . |
| <b>Hazardous decomposition products:</b>   | Oxides of phosphorus. Phosphine. Oxides of carbon. Oxides of nitrogen.   |

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

|                     |  |
|---------------------|--|
| <b>Ingestion:</b>   | Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.           |
| <b>Eye contact:</b> | A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury. |

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Substance No: 00000053744

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**Skin contact:** Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

**Inhalation:** Breathing in mists or aerosols may produce respiratory irritation.

**Acute toxicity:** No LD50 data available for the product.

**Respiratory or skin sensitisation:** Not expected to be a skin sensitiser nor a respiratory sensitiser.

**Chronic effects:** Available information from animal studies indicate that repeated or prolonged exposure to a component of this material could result in effects on the liver , kidneys , spleen .

**Mutagenicity:** Not classified.

**Carcinogenicity:** Not listed as carcinogenic according to the International Agency for Research on Cancer (IARC).

**Reproductive toxicity:** Not classified.

**Specific Target Organ Toxicity (STOT) - single exposure:** Not classified.

**Specific Target Organ Toxicity (STOT) - repeated exposure:** Not classified.

**Aspiration hazard:** No information available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Avoid contaminating waterways.

**Persistence/degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility in soil:** No information available.

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods:

Refer to local government authority for disposal recommendations. Dispose of contents/container in accordance with local/regional/national/international regulations.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

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



**UN No:** 3265

**Transport Hazard Class:** 8 Corrosive

**Packing Group:** II

**Proper Shipping Name or Technical Name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS AMINO TRIMETHYLENE PHOSPHONIC ACID)

Product Name: ReCharge  
Substance No: 00000053744

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**Hazchem or Emergency Action Code:** 2X

## Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

**UN No:** 3265  
**Transport Hazard Class:** 8 Corrosive  
**Packing Group:** II  
**Proper Shipping Name or Technical Name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS AMINO TRIMETHYLENE PHOSPHONIC ACID)

**IMDG EMS Fire:** F-A  
**IMDG EMS Spill:** S-B

## Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

**UN No:** 3265  
**Transport Hazard Class:** 8 Corrosive  
**Packing Group:** II  
**Proper Shipping Name or Technical Name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS AMINO TRIMETHYLENE PHOSPHONIC ACID)

## 15. REGULATORY INFORMATION

### **Classification:**

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017 and the Hazardous Substances (Classification) Notice 2017.

### **Subclasses:**

Subclass 8.1 Category A - Substances that are corrosive to metals.  
Subclass 8.2 Category B - Substances that are corrosive to dermal tissue.  
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Approval Number: HSR002491

### **Hazard Statement(s):**

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

## 16. OTHER INFORMATION

This safety data sheet has been prepared by Ixom Operations Pty Ltd (Toxicology & SDS Services).

### **Reason(s) for Issue:**

First Issue Primary SDS

# Safety Data Sheet



This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Ixom Operations Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Ixom representative or Ixom Operations Pty Ltd at the contact details on page 1.

Ixom Operations Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.