



# SAFETY DATA SHEET

**ACICIP 400**

Infosafe No.: 7EF7N  
ISSUED Date : 12/09/2016  
ISSUED by: JASOL NEW ZEALAND

## 1. IDENTIFICATION

### GHS Product Identifier

ACICIP 400

### Product Code

2053710

2053710, 2053720, 2053730, 7109660

### Company Name

JASOL NEW ZEALAND

### Address

81 Leonard Road  
Mt. Wellington Auckland  
1060 New Zealand

### Telephone/Fax Number

Tel: +64 9 580 2105

Fax: +64 9 571 4388

### Emergency phone number

0800 243 622

### E-mail Address

jasolnzorders@gwf.com.au

## 2. HAZARD IDENTIFICATION

### GHS classification of the substance/mixture

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.  
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

6.1D (Oral) - Substance that is acutely toxic

6.1E (Oral) - Substance that is acutely toxic

6.9B (Single exposure) - Substance that is harmful to human target organs or systems

8.1A Substance that is corrosive to metals

8.2C Substance that is corrosive to dermal tissue

8.3A Substance that is corrosive to ocular tissue

9.1D Substance that is slightly harmful to the aquatic environment or is otherwise designed for biocidal action

9.3C Substance that is harmful to terrestrial vertebrates

### Signal Word (s)

DANGER

### Hazard Statement (s)

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H313 May be harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

H402 Harmful to aquatic life.

H433 Harmful to terrestrial vertebrates.

#### Precautionary Statement (s)

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

P102 Keep out of reach of children.

P103 Read label before use.

#### Pictogram (s)

Corrosion, Exclamation mark, Health hazard



#### Precautionary statement – Prevention

P234 Keep only in original container.

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

P264 Wash contaminated skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

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

#### Precautionary statement – Response

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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.

P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P310 Immediately call a POISON CENTER or doctor/physician.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

#### Precautionary statement – Storage

P405 Store locked up.

P406 Store in corrosive resistant/ container with a resistant inner liner.

#### Precautionary statement – Disposal

P501 In the 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) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients

Name	CAS	Proportion
PHOSPHORIC ACID	7664-38-2	10-20 %
Nitric acid	7697-37-2	1-10 %
Water	7732-18-5	Remainder

## 4. FIRST-AID MEASURES

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### **Inhalation**

If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek immediate medical attention.

### **Ingestion**

If swallowed, DO NOT induce vomiting. Only if conscious, give 1 - 2 cups of water, milk, milk of magnesia or egg whites to drink. For advice, contact the National Poisons Centre at 0800 764 766 (0800 POISON) or +64 3 479 7248 or a doctor (at once).

### **Skin**

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor. Seek immediate medical attention.

### **Eye contact**

If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes. Seek immediate medical attention.

### **First Aid Facilities**

Eye wash facilities and safety shower should be available.

### **Indication of immediate medical attention and special treatment needed if necessary**

Treat symptomatically. Treat with 100% oxygen initially. Respiratory distress may require cricothyroidotomy if endotracheal intubation is contraindicated by excessive swelling. Intravenous lines should be established immediately in all cases where there is evidence of circulatory compromise.

### **Most important symptoms/effects, acute and delayed**

Airway problems may arise from laryngeal edema and inhalation exposure. Strong acids produce a coagulation necrosis characterised by formation of a coagulum (eschar) as a result of the desiccating action of the acid on proteins in specific tissues.

## 5. FIRE-FIGHTING MEASURES

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### **Suitable Extinguishing Media**

Use water spray, or flood with water. Use extinguishing media appropriate for surrounding fire.

### **Specific Hazards Arising From The Chemical**

Will not burn but increases intensity of fire. Flammable hydrogen gas may be liberated from contact with some metals. Nitric acid is a strong oxidiser and its heat of reaction with reducing agents or combustibles may cause ignition. Reacts explosively with combustible organics or readily oxidisable materials such as alcohols, turpentine, metal powder, hydrogen sulphide, etc. Thermal decomposition liberates toxic, corrosive fumes of nitrogen oxide and hydrogen nitrate. Reacts with water or steam to produce heat, and toxic corrosive fumes of nitrogen oxides.

### **Hazchem Code**

2X

### **Other Information**

To wear self-contained breathing apparatus and protective equipment. If safe to do so, remove containers from path of fire.

## 6. ACCIDENTAL RELEASE MEASURES

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### **Emergency Procedures**

Evacuate area of all unprotected personnel. Wear full protective clothing and breathing apparatus. Avoid breathing vapours and contact with skin and eyes.

### **Methods And Materials For Containment And Cleaning Up**

Contain and absorb using sand, soil, vermiculite or other inert material. Place into appropriate labelled containers. Can neutralise carefully with soda ash or lime. If soda ash is used, provide adequate ventilation to dissipate the carbon dioxide gas.

### **Environmental Precautions**

Prevent from entering drains and waterways.

### **Other Information**

See Sections 8 and 13 for exposure controls and disposal.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Avoid all personal contact, including inhalation, by wearing appropriate protective equipment. Use in a well-ventilated area.  
WARNING: To avoid violent reaction, ALWAYS add material to water and NEVER water to material.

### Conditions for safe storage, including any incompatibilities

Container:

Polyethylene or polypropylene container. Packing as recommended by manufacturer.

Storage:

Store in original containers. Keep containers securely sealed as supplied. Store in a cool, dry, well ventilated area away from direct heat and sunlight. Avoid contact with reducing agents, alkalis, carbides, turpentine, hydrogen sulphide, rubber, polyethylene, combustible materials, metals, oxidisable materials, active metals. Floors should be covered or coated with acid resistant material.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Exposure Controls, Personal Protection

New Zealand Workplace Standards (WES)

nitric acid

TWA

2ppm, 5.2mg/m<sup>3</sup>

STEL

4ppm, 10mg/m<sup>3</sup>

phosphoric acid

TWA

1mg/m<sup>3</sup>

### Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Water		TWA	-	ppm	
Water		TWA	-	mg/m <sup>3</sup>	
Water		STEL	-	ppm	
Water		STEL	-	mg/m <sup>3</sup>	

### Appropriate Engineering Controls

General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances

### Personal Protective Equipment

Eye / Face:

Chemical goggles. Full face shield may be required for supplementary but never for primary protection of eyes.

Hands:

Chemical resistant gloves.

Body:

Chemical gumboots. Overalls, PVC apron, PVC protective suit if exposure is severe.

Respiratory:

Acid mist respirator or supplied air breathing apparatus. Note: Nitric acid is an oxidiser and should not come into contact with oxidisable materials. Some cartridges or canisters may contain oxidisable materials such as activated carbon and therefore should not be used to provide protection against nitric acid. Only non-oxidisable sorbents should be used.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Form**

Liquid

**Appearance**

Liquid

**Colour**

Clear, colourless

**Odour**

Pungent

**Melting Point**

Not available

**Boiling Point**

>100

**Specific Gravity**

1.145

**pH**

2

**Flash Point**

Not applicable

**Auto-Ignition Temperature**

Not applicable

**Explosion Limit - Upper**

Not applicable

**Explosion Limit - Lower**

Not applicable

## 10. STABILITY AND REACTIVITY

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**Reactivity**

Reacts explosively with combustible organics or readily oxidisable materials such as alcohols, turpentines, metal powder, hydrogen sulphide, etc.

**Chemical Stability**

Considered stable.

**Conditions to Avoid**

Avoid contact with reducing agents, alkalis, carbides, turpentine, hydrogen sulphide, rubber, polyethylene, combustible materials, metals, oxidisable materials, active metals.

**Incompatible materials**

Reducing agents, alkalis, carbides, turpentine, hydrogen sulphide, rubber, polyethylene, combustible materials, metals, oxidisable materials, active metals.

**Hazardous Decomposition Products**

Thermal decomposition liberates toxic, corrosive fumes of nitrogen oxide and hydrogen nitrate.

**Possibility of hazardous reactions**

Hazardous polymerisation will not occur. Nitric acid is a strong oxidiser and its heat of reaction with reducing agents or combustibles may cause ignition.

## 11. TOXICOLOGICAL INFORMATION

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**Toxicology Information**

Not available. Refer to individual constituents

**Ingestion**

Extremely corrosive to the mouth and throat. Swallowing the liquid burns the tissues, causing severe abdominal pain, nausea, vomiting, kidney damage and collapse. Swallowing large quantities can cause death.

**Inhalation**

Vapours and mists are extremely corrosive to the nose, throat and mucous membranes. Bronchitis, pulmonary oedema and chemical pneumonitis may occur. Irritation, coughing, chest pain and difficulty in breathing may occur with brief exposure. Breathing high concentrations may result in death after several minutes of exposure.

**Skin**

Extremely corrosive to skin. Vapours will severely irritate, liquid mists will severely burn skin. Prolonged contact will burn or destroy tissue. Deep ulcers and a yellow to brown staining of the skin will occur.

**Eye**

Extremely corrosive to eyes. Brief contact with vapours will be severely irritating. Brief contact with liquid or mists can severely damage the eyes, prolonged contact may cause permanent injury - blindness may follow.

**Chronic Effects**

May cause erosion of teeth, lesions on the skin, bronchial irritation, coughing and pneumonia. This material is not considered to be a carcinogen.

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**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

Avoid contaminating waterways.

**Persistence and degradability**

No information available.

**Mobility**

High

**Bioaccumulative Potential**

Low.

**Other Adverse Effects**

No information available.

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**13. DISPOSAL CONSIDERATIONS**

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**Waste Disposal**

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

**Local Legislation**

Recycle where possible otherwise ensure that:

- Licenced contractors dispose of the product and its container.
- Disposal occurs at a licenced facility.

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**14. TRANSPORT INFORMATION**

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**Transport Information**

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains nitric acid)

**U.N. Number**

3264

**UN proper shipping name**

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

**Transport hazard class(es)**

8

**Packing Group**

II

**Hazchem Code**

2X

**IERG Number**

37

**UN Number (Sea Transport)**

3264

**UN Number (Road Transport)**

3264

**LIMITED QUANTITY - Max Net Quantity/Pkge**

1L

**IMDG EMS**

Fire: F-A, Spill: S-B

**Marine Pollutant**

No

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**15. REGULATORY INFORMATION**

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**HSNO Approval Number**

HSR002595

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**16. OTHER INFORMATION**

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**Date of preparation or last revision of SDS**

13/9/2016

**Technical Contact Numbers**

24 Hour Emergency Contact: 0800 CHEMCALL (0800 243 622)

New Zealand Poisons Information Centre: 0800 POISON (0800 764 766)

New Zealand Emergency Services: 111

**User Information**

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

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 Jasol NZ 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 Jasol NZ representative or Jasol NZ at the contact details on page 1.

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

**END OF SDS**

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