



## PZP-ZEO Safety Data Sheet

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# Product Safety Information

**EN** Product Safety Information



**Save These Instructions**

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## PZP-ZEO SAFETY DATA SHEET

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### ■ SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDER

#### 1.1 - Product Identifier

Product Name: PZP-ZEO.

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

Use of the substance/mixture: Filtration.

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

Ingersoll Rand (Australia) Ltd  
45 - 47 Ventura Place  
Dandenong South, Victoria 3175  
Australia  
Tel: + 61 387874300.

#### 1.4 - Emergency telephone number

For advice, contact a doctor (at once) or the Australian Poisons Information Centre: 131 126.  
Transport Emergency Only, Dial 000.

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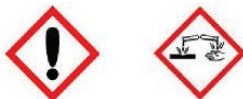
### ■ SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 - Classification of the substance or mixture

GHS-US classification  
Eye Dam, 1 H318  
STOT SE 3 H335.

#### 2.2 - Label Elements

GHS-US labelling  
Hazard pictograms (GHS-US):



Signal word (GHS-US): Danger.

Hazard Statements (GHS-US):

H318 – Causes serious eye damage.

H335 – May cause respiratory irritation.

Precautionary statements (GHS-US):

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.

P271 – Use only outdoors or well-ventilated indoor area.

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

P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 – If in the 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.

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

P403+P233 – Store in a well-ventilated place. Keep container tightly closed.

P405 – Store locked up.

P501 – Dispose of contents/container in accordance with local/regional/ national/international regulations.

#### 2.3 - Other Hazards

No additional information available.

## 2.4 - Unknown acute toxicity

No data available.

## ■ SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

## 3.1 - Substances

Not applicable.

## 3.2 - Mixture

Name	Product Identifier	%	GHS-US Classification
Zeolite	(CAS No.) 1318-02-1	75.19 - 80.92	STOT SE 3, H335
Carbon	(CAS No.) 7732-18-5	8.09 - 9.09	Not classified
Water	(CAS No.) 7732-18-5	7.14 - 9.69	Not classified
N,N,N-Trimethyl-1-Hexadecanaminium Chloride	(CAS No.) 112-02-7	2.22 - 4.22	Skin Irritant 2, H315 Eye Damage 1, H318 Aquatic Acute 1, H400

## ■ SECTION 4: FIRST AID MEASURES

## 4.1 - Description of first aid measures

First aid measures after inhalation: Remove person to fresh air. If not breathing, administer CPR or artificial respiration. Get immediate medical attention.

First aid measures after skin contact: If skin reddening or irritation develops, seek medical attention.

First aid after eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

First aid measures after ingestion: If material is swallowed, get immediate medical attention or advice. DO NOT induce vomiting unless directed to do so by medical personnel.

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

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: May cause skin irritation.

Symptoms/injuries after eye contact: May cause serious eye irritation.

Symptoms/injuries after ingestion: May be harmful if swallowed.

## 4.3 - Indication of any immediate medical attention and special treatment needed No additional information available.

## ■ SECTION 5: FIREFIGHTING MEASURES

## 5.1 - Extinguishing media

Suitable extinguishing media: If involved with fire, flood with plenty of water.

Unsuitable extinguishing media: None.

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

Fire hazard: None known.

Explosion hazard: None known.

## 5.3 - Advice for firefighting: Firefighters should wear full protective gear.

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## ■ SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 - Personal precautions, protective equipment and emergency procedure

General measures: Avoid contact with the skin and the eyes.

For non-emergency personnel: No additional information available.

For emergency responders: No additional information available.

### 6.2 - Environmental precautions

None.

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

For containment: If possible, stop flow of product.

Methods for cleaning-up: Shovel or sweep up and put in a closed container for disposal.

### 6.4 - Reference to other sections

No additional information available.

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## ■ SECTION 7: HANDLING AND STORAGE

### 7.1 - Precautions for safe handling

Precautions for safe handling: Avoid contact with eyes.

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

Storage conditions: Protect containers from physical damage. Store in dry, cool, well-ventilated area.

### 7.3 - Specific end use(s)

No additional information available.

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## ■ SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 - Control parameters

No additional information available

### 8.2 - Exposure controls

Appropriate engineering controls: Local exhaust and general ventilation must be adequate to meet exposure standards.

Hand protection: Use impervious gloves.

Eye Protection: Safety glasses.

Skin and body protection: Wear suitable working clothes.

Respiratory protection: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

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## ■ SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 - Information on basic physical and chemical properties

Physical state: Solid

Appearance: Irregular shaped

Color: White/black

Odor: No data available

Odor threshold: No data available

pH: No data available

Relative evaporation rate (Butyl acetate=1): No data available

Melting point: No data available

Freezing point: No data available

Boiling point: No data available

Flash point: No data available  
Self-ignition temperature: No data available  
Decomposition temperature: No data available  
Flammability (solid, gas): No data available  
Vapor pressure: No data available  
Relative vapor density at 20 °C: No data available  
Relative density: 54-56 lb/ft<sub>3</sub>  
Solubility: No data available  
Log Pow: No data available  
Log Kow: No data available  
Viscosity, kinematic: No data available  
Viscosity, dynamic: No data available  
Explosive properties: No data available  
Oxidizing properties: No data available  
Explosive limits: No data available.

#### 9.2 - Other information

No additional information available.

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## ■ SECTION 10: STABILITY AND REACTIVITY

#### 10.1 - Reactivity

No additional information.

#### 10.2 - Chemical stability

Stable under normal conditions.

#### 10.3 - Possibility of hazardous reactions

Will not occur.

#### 10.4 - Conditions to avoid

None.

#### 10.5 - Incompatible materials

Strong oxidizing and reducing agents.

#### 10.6 - Hazardous decomposition products

Carbon monoxide may be generated in the event of a fire. Organic chlorides, amines, hydrogen chloride may be produced.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 - Information on toxicological effects

Acute toxicity: Not classified.

<b>Zeolite (1318-02-1)</b>	
LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	2.4 mg/l (Exposure time: 1 h)
ATE (oral)	5000 mg/kg

<b>Carbon (7440-44-0)</b>	
LD50 oral rat	>10000 mg/kg

<b>Potassium permanganate (7722-64-7)</b>	
LD50 dermal rabbit	4300 uL/kg/24H

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

<b>Zeolite (1318-02-1)</b>	
IARC group	3

Reproductive toxicity: Not classified.

Specific target organ toxicity (single exposure): May cause serious eye damage.

Specific target organ toxicity (repeated exposure): Not classified.

Aspiration hazard: Not classified.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 - Toxicity

<b>Zeolite (1318-02-1)</b>	
LC50 fishes 1	1800 mg/l (Exposure time 96 h – Species: Brachydaniorerio [semi-static])
EC50 Daphnia 1	1000 – 1800 mg/l (Exposure time: 48 h – Species: Daphnia magna)
EC50 other aquatic organisms 1	18 mg/l (Exposure time: 96 h – Species: Desmodesmus subspicatus)
LC50 fish 2	3200 – 5600 mg/l (Exposure time 96 h – Species: Oryzias latipes [semi-static])

### 12.2 - Persistence and degradability

No additional information available.

### 12.3 - Bioaccumulative potential

No additional information available.

### 12.4 - Mobility in soil

No additional information available.

### 12.5 - Other adverse effects

No additional information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 - Waste treatment methods

Waste disposal recommendations: Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 14: TRANSPORTATION INFORMATION

In accordance with DOT / ADR / RID / ADNR / IMDG / ICAO / IATA

### 14.1 - UN number

Not applicable.

### 14.2 - UN proper shipping name

Not applicable.

## SECTION 15: REGULATORY INFORMATION

### 15.1 - US Federal regulations

#### **N,N,N-Trimethyl-1-hexadecanaminium chloride (112-02-7)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### **Carbon (7440-44-0)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2 - US State regulations

No additional information available.

## SECTION 16: OTHER INFORMATION

Full Test of H-phases:

Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard Category 1
Eye Damage 1	Serious eye damage/irritation Category 1
Skin Irritation 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H318	Causes serious eye damage
H355	May cause respiratory irritation
H400	Very toxic to aquatic life

NFPA health hazard: 2- Intense or continued exposure could cause temporary incapacitation or possible residual unless prompt medical attention is given.

NFPA fire hazard: 0 – Materials that will not burn.

NFPA reactivity: 0 – Normally stable, even under fire exposure conditions, and are not reactive with water.

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.





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