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## MATERIAL SAFETY DATA SHEET

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**NOT Hazardous according to criteria of Worksafe Australia**

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**Date of Issue : Sep 1999**

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### 1. IDENTIFICATION

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#### General

Product Name : POTASSIUM TRIPOLYPHOSPHATE

Other Names :

UN No. : N/A

Dangerous Goods Class : None Allocated

Subsidiary Risk : None Allocated

Hazchem Code : N/A

Pack Group : 0

EPG : N/A

Poisons Schedule : N/A

Uses :

No information available.

#### 1.1 Physical Description / Properties

Appearance : White powder, very hygroscopic.

Formula : K<sub>5</sub> P<sub>3</sub> O<sub>10</sub>

Boiling Point : N/A deg C

Melting Point : >600 deg C

Vapour Pressure : N/A

Specific Gravity : N/A (water = 1)

Flash Point : N/A

pH : 10.2 ( )

Solubility in water : N/A g/l (25 deg C)

Flammability Limits (as percentage volume in air)

Lower Explosion Limit : N/A

Upper Explosion Limit : N/A

## 1.2 Other Properties

Volume mass: 1.15. Water solubility: 180 g/100g @ 20 deg C.

## 1.3 Ingredients

Chemical Entity	CAS No.	Proportions (%)
PENTAPOTASSIUM TRIPHOSPHATE	[13845-36-8]	> 87

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## 2. HEALTH HAZARD INFORMATION

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### 2.1 Health Effects - Acute

#### Swallowed

No hazard known.

#### Eye

Dusts may be irritating for the eyes.

#### Skin

Prolonged contact may be irritating.

#### Inhaled

Dusts may irritate the respiratory system.

### 2.2 Health Effects - Chronic

No information available.

### 2.3 First Aid

#### Swallowed

Do not induce vomiting. If conscious, give a liter of water or milk. Obtain medical attention.

#### Eye

Immediately flush with plenty of water for at least 15 minutes. Obtain medical attention.

#### Skin

Rinse with water. Remove contaminated clothing and shoes. Wash clothing before reuse.

#### Inhaled

Remove to fresh air. If no breathing give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.

## First Aid Facilities

Ensure an eye bath and safety shower are available and ready for use.

## 2.5 Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

## 2.6 Toxicity Data

Dusts may be irritating. Irritating to skin after prolonged contact. Irritates nose and throat - can cause coughing and chest discomfort. Material is not considered to be a carcinogen or mutagen.

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## 3. PRECAUTIONS FOR USE

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### 3.1 Exposure Standards

None established.

### 3.2 Engineering Controls

Provide local mechanical ventilation capable of maintaining dust emission at a minimum level.

### 3.3 Personal Protection

If use conditions generate dusts, wear an approved respirator appropriate for those emission levels. Appropriate respirators may be a full facepiece or a half mask air purifying respirator with particulate filters, a self contained breathing apparatus in the pressure demand mode, or a supplied air respirator. Wear rubber gloves, chemical safety goggles unless a full face respirator worn, protective clothing with rubber boots.

### 3.4 Flammability

Not flammable.

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## SAFE HANDLING INFORMATION

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### 4.1 Storage / Transport

Store in a cool, dry, well ventilated place away from incompatible materials. Keep bags dry at all times. Keep away from strong acids.

### 4.2 Packaging / Labelling

UN No. N/A

Class None Allocated

Sub Risk None Allocated

Hazchem Code N/A

Pack Group 0

EPG No. N/A

Shipping Name POTASSIUM TRIPOLYPHOSPHATE

Hazard

**Risk Phrases****Safety Phrases****4.3 Spills and Disposal****Spills**

Clean up personnel should wear full protective clothing, rubber boots, gloves, rubber apron and a self contained breathing apparatus. Wear chemical goggles if a half mask is worn. Keep unnecessary people away. Do not allow spilled material to enter sewers, storm drains, surface waters or soil.

Sweep up and shovel material into approved waste containers for later disposal. Move container from spill area. Wash residue with water. Empty containers will retain product residue and vapours, always obey hazard warnings and handle empty containers as if they were full.

**Disposal**

Dispose of contaminated product and material used for cleaning up spills or leak in a manner approved for this material. Review national, regional and local government requirements prior to disposal. Empty containers can have residues, gases and mists and are subject to proper waste disposal as above.

**4.4 FIRE AND EXPLOSION HAZARD****Fire / Explosion**

Material is not flammable.

**Extinguishing Media**

Firefighters should wear full protective clothing including self contained breathing apparatus. Use extinguishing media suitable for surrounding fire (dry chemical, CO<sub>2</sub>, water spray or foam).

**5 OTHER INFORMATION****Other Information**

Phosphate will promote algae growth and may degrade water quality.

**5.1 Contact Points**

Organisation	Location	Telephone	Ask For
Redox Chemicals Pty Ltd	Wetherill Park NSW	02-97255155	Technical Officer
Poisons Information Centre	Westmead	131129	
		1800-251525	