



## **PRICE CHEMICALS PTY LIMITED**

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### **MATERIAL SAFETY DATA SHEET**

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Hazardous according to criteria of Worksafe Australia

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Date of Issue : 1<sup>st</sup> January 2005

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#### **1. IDENTIFICATION**

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##### **General**

Product Name : SODIUM BISULPHATE

Other Names : SODIUM HYDROGEN SULPHATE SODIUM PYROSULPHATE ; SODIUM ACID SULPHATE

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 :

Flux for decomposing minerals; substitute for sulphuric acid in dyeing; disinfectant; manufacture of sodium hydrosulphide, sodium sulphate & soda alum; liberating carbon dioxide in carbonic acid baths, in thermophores; carbonising wool; manufacture of magnesia cements, paper, soap, perfumes, foods, industrial cleaners, metal pickling compounds; lab reagent.

##### **1.1 Physical Description / Properties**

Appearance : White powder or crystals, odourless.

Formula : NaHSO<sub>4</sub>

Boiling Point : N/A deg C

Melting Point : 180 deg C

Vapour Pressure : N/A

Specific Gravity : 2.435 (water = 1)

Flash Point : N/A

pH : 1.3 (1% solution)

Solubility in water : 280 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

Bulk density = 1.4 - 1.5 kg/L

### 1.3 Ingredients

Chemical Entity	CAS No.	Proportions (%)
SODIUM BISULPHATE	[ 7681-38-1]	> 92
SODIUM SULPHATE	[ 7757-82-6]	< 6
WATER	[ 7732-18-5]	< 1
NON-HAZARDOUS IMPURITIES		< 1

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## 2. HEALTH HAZARD INFORMATION

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### 2.1 Health Effects - Acute

#### Swallowed

Aqueous solution is corrosive. May cause burns.

#### Eye

Risk of serious damage to eyes.

#### Skin

Purex Dry Acid

Dust very irritating to skin, especially when wet.

#### **Inhaled**

Dust very irritating to respiratory system, especially when wet.

#### **2.2 Health Effects - Chronic**

No information available.

#### **2.3 First Aid**

##### **Swallowed**

If swallowed do not induce vomiting. Give large quantities of water to drink. Seek medical advice.

##### **Eye**

Flush immediately with plenty of water for at least 15 minutes. Seek medical advice immediately.

##### **Skin**

Remove contaminated clothing immediately. Wash affected skin with soap and water. If skin redness persists, seek medical aid.

#### **Inhaled**

Remove from exposure immediately. Remove patient to fresh air. Seek medical advice at once.

#### **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 judgement of doctor and individual reactions of patient.

#### **2.6 Toxicity Data**

No information available.

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### **3. PRECAUTIONS FOR USE**

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#### **3.1 Exposure Standards**

None established.

### **3.2 Engineering Controls**

Ensure adequate ventilation to maintain exposure levels to a minimum.

### **3.3 Personal Protection**

Minimise dust. Do not breathe dust. Avoid contact with skin, eyes and mucous membranes. Wear suitable protective clothing to minimize contact and at all times wear a dust mask and chemical goggles.

### **3.4 Flammability**

Material is non-combustible.

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## **SAFE HANDLING INFORMATION**

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### **4.1 Storage / Transport**

Keep storage container tightly closed and dry. Keep container off wet floor. Examine regularly for any sign of package failure.

### **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 SODIUM BISULPHATE

Hazard CORROSIVE

#### **Risk Phrases**

R34 Causes burns.

R37 Irritating to respiratory system.

#### **Safety Phrases**

Purex Dry Acid

S1/2 Keep locked up and out of the reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

### 4.3 Spills and Disposal

#### Spills

In case of spill, keep all non-essential personnel away from the area. NEVER spray with water. Clean up personnel should wear full protective clothing including respiratory protection. Avoid raising dust. Do not allow spilled material to enter waterways.

Pick up material preferably by mechanical means and hold for waste disposal. Flush spill area with large quantities of water.

#### Disposal

Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal site. DO NOT contaminate waterways. The material and container must be disposed of as hazardous waste.

### 4.4 FIRE AND EXPLOSION HAZARD

#### Fire / Explosion

If material is involved in a fire it may release toxic fumes of SO<sub>x</sub>, due to thermal decomposition. If in contact with water, the product turns into an acid solution. The aqueous solution is corrosive and attacks many metals with liberation of hydrogen which is inflammable and forms explosive mixtures with air.

#### Extinguishing Media

DO NOT use water. Use other media appropriate to surrounding fire conditions. Fire fighters should wear self-contained breathing apparatus.

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## 5 OTHER INFORMATION

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#### Other Information

Properties are similar to those of sulphuric acid. Aqueous solution corrosive. Aquatic toxicity (Daphnia magna) CE50 48hrs : 190mg/l.

#### 5.1 Contact Points

Organisation	Location	Telephone	Ask For
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Price Chemicals Pty Ltd	Somersby NSW	4340 0088	Technical Officer
Poisons Information Centre	Westmead	131129	
		1800-251525	