



## Material Safety Data Sheet

Issue Date: July 21, 2011

Product Name: **HY-CLOR HY-TECH CLEAR ALUM TAB**

Hazardous Substance, NON-Dangerous

### COMPANY DETAILS

Company Name	HY-CLOR AUSTRALIA PTY LIMITED
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### IDENTIFICATION

Product Code	HYCHTCA3
Product Name	Aluminium Sulphate
Other Name	Hy-Clor Hy-Tech Clear Alum Tabs, alum
U.N. Number	None Allocated
D.G. Class	None Allocated
Sub Risk	None Allocated
Hazchem	None Allocated
Poison Schedule	None Allocated
Uses	Tanning, Metallurgy, Pulp and Paper, Textiles, Water Treatment

### PHYSICAL DESCRIPTION/PROPERTIES

Appearance	Tablets, odourless
Melting Point	Decomposes at 775° C
Boiling Point	Not Available
Specific Gravity (20° C)	Not Available
Vapour Density (air=1)	Not Available

Vapour Pressure (20° C )	Not Available
Flash Point (closed cup)	Not Available
Flammability Limits %	Not Available
pH (1% solution)	3.5
Solubility in water (g/l)	Soluble

#### Stability and Reactivity

Stable under normal temperatures and pressures. On contact with moisture is readily hydrolysed to sulphuric acid. Corrosive to metals in the presence of moisture.

### INGREDIENTS

Chemical Name CAS Number Proportion

Aluminium Sulphate 10043-01-3 >99.0%

### HEALTH HAZARD INFORMATION

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

Swallowed	Ingestion of large amounts may result in serious injury. If swallowed may lead to oral and gastrointestinal irritation and local tissue damage. Nausea, vomiting, diarrhea and gastrointestinal bleeding may follow.
Eye	Exposure to eyes may result in irritation and acid burns.
Skin	Dust may cause irritation to skin
Inhaled	Inhalation of dust may cause irritation to the respiratory tract due to sulphuric acid formed by moist tissues. Symptoms may include coughing and shortness of breath
Chronic effects	repeated or prolonged contact with dilute solution may cause skin irritation

## FIRST AID

Swallowed	If conscious give water to drink. Seek immediate medical attention.
Eye	Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical advice.
Skin	Wash with soap and water. Remove contaminated clothing, launder clothes before reuse. If irritation persists seek medical advice.
Inhaled	Remove victim from exposure to fresh air immediately. If not breathing apply artificial respiration. If breathing is difficult give oxygen. Seek immediate medical advice.
Advice to doctor	Treat symptomatically
Toxicity	No information available

## FIRE-FIGHTING MEASURES

Specific hazards	Non-combustible material
Fire fighting advice	Not combustible, however material may decompose if involved in a fire. On decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.
Hazchem code	Not applicable
Suitable extinguishing media	Not combustible, however, if material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder)

## EXPOSURE CONTROLS / PERSONAL PROTECTION

No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).

Exposure standard of soluble salts as Aluminium: TWA:2mg/m<sup>3</sup>

## **Engineering Controls**

A system of local and/or general exhaust ventilation is recommended to keep exposure levels below the recommended exposure standard. If condition of use creates dusty environment, local exhaust ventilation is recommended.

## **Personal Protection**

Avoid skin and eye contact and inhalation of dust. Wear overalls, eye protection and gloves. Use chemical safety goggles or face shield where dusting or splashing of solutions is possible. Use a dust mask or dust/mist respirator. Always wash hands before smoking, eating, drinking or using the toilet.

<b>SAFE HANDLING INFORMATION</b>
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## **Storage and Transport**

Not defined as a Dangerous Good by the Australian code for the Transport of Dangerous Goods by Road and Rail.

Store in a cool dry place. Store in well ventilated area. Keep container tightly closed. Protect from physical damage. Keep away from moisture and incompatible materials.

## **Spills**

Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Sweep up but avoid generating dust. Collect and place in suitable labeled containers.

## **Disposal**

Refer to State Land Waste Management Authority

<b>CONTACT INFORMATION</b>
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Contact

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