

# MATERIAL SAFETY DATA SHEET

Classified as Hazardous according to criteria of Workplace Australia

Date of issue February 2005

## 1. IDENTIFICATION

- 1.1 Product name: Silver Pigment (Metallic Pigment 1)  
1.2 Correct Shipping Name: Aluminium Powder  
1.3 UN No.: 1309  
1.4 Dangerous Goods Class: 4.1  
1.5 Subsidiary Risk: None allocated  
1.6 Hazchem Code: 4(Z)  
1.7 Pack Group: 111  
1.8 Poisons Schedule: None allocated  
1.9 Uses: Colourant for paints and lacquers.

## 2. Physical Description/ Properties

- 2.1 Appearance: Silvery white dry powder.  
2.2 Odour: Odourless  
2.3 Boiling Point: 2630 deg. celcius  
2.4 Melting Point: 660 deg. celcius  
2.5 Vapour pressure: 1 mm HG  
2.6 Specific Gravity: 2.7  
2.7 Flash Point: Not applicable  
2.8 Solubility in water: Insoluble  
2.9 Flammability limits: LEL% 128 mg/m3 UEL% N/A

## 3.0 Other properties

- 3.1 pH(At 10gm/250ml H<sub>2</sub>O): Not available  
3.2 Fineness: 300 BS Mesh

## 4.0 Ingredients

Chemical entity	CAS No.	Proportions
Aluminium	(7429-90-5)	98%
Fatty Acids	(67701-035-5)	2%

## **5. HEALTH HAZARD INFORMATION**

### **5.1 Health effects-Acute**

#### **Swallowed**

Ingestion can cause gastric disturbances. Oral LD50=not available

#### **Eye**

Contact with eyes may cause irritation.

#### **Skin**

No data available Dermal LD50=not available

#### **Inhaled**

Inhalation may irritate the respiratory tract. Mucus membrane irritant.

### **Health effects-Chronic**

No comprehensive human or animal studies have been conducted for long term effects.

#### **First Aid**

#### **Swallowed**

Give plenty of water to drink, induce vomiting and seek medical attention promptly.

#### **Eye**

Flush eyes with copious amounts of clean water for at least 15 minutes, retract eyelids often.

If irritation occurs seek medical attention.

#### **Skin**

Wash affected areas thoroughly with clean water.  
If irritation occurs seek medical attention immediately.

#### **Inhaled**

Remove victim to fresh air. If difficulty in breathing or irritation occurs see medical attention immediately.

#### **Advice to doctor**

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

## **6.0 PRECAUTIONS FOR USE**

### **6.1 Exposure standards**

Aluminium    ACGIH: TLV-TWA 10Mg/M3  
                  OSHA: PEL-TWA 15Mg/M3

### **3.2 Engineering controls**

Provide general exhaust ventilation to keep exposure levels to a minimum.

### **3.3 Personal protection**

Antidust mask, goggles and gloves are recommended when handling this product. Avoid inhalation and provide adequate ventilation.

### **3.4 Flammability**

Flammable solid.

## **7.0 SAFE HANDLING INFORMATION**

### **7.1 Storage/Transport**

Protect against water. Store in a cool, dry place away from incompatible chemicals and possible sources of ignition.

The storage of this product is subject to licensing from Workcover when stored in conjunction with products of similar class or total quantities exceed Workcover limits.

Keep containers tightly sealed.

### **7.2 Spills and Disposals**

#### **Spills**

Never employ water. Remove without raising dust.

#### **Disposal**

Dispose in accordance with all Local, State and Federal regulations by incineration at an approved waste disposal site.

## **4.4 FIRE AND EXPLOSION HAZARD**

### **Extinguishing Media**

Extinguishing material = dry sand, dry inert granular material or powder.

Unsuitable extinguishing media =Water

Use media appropriate to surrounding fire conditions.

### **5.1 Contact points**

<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>	<b>Ask for</b>
Langridge Artist Colours	Yarraville, Victoria	(03) 9419 4453	Mr. D. Coles