

# MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Workplace Australia

Date of issue February 2005

## 1. IDENTIFICATION

### General

Product name: Oxidising Patina  
Other names:  
UN No.: None Allocated  
Dangerous Goods Class: None Allocated  
Subsidiary Risk: None Allocated  
Hazchem Code: None Allocated  
Pack Group: None Allocated  
EPG: None Allocated  
Poisons Schedule: None Allocated  
Uses: Patinating fluid for copper based and ferrous metals.

## 2. Physical Description/ Properties

Appearance: Pale blue liquid  
Formula: Mixture  
Boiling Point: 100 deg C  
Melting Point: N/A deg C  
Vapour pressure: N/A  
Specific Gravity: 1 (water=1)  
Flash Point: N/A  
pH: 5.5  
Solubility in water: Very soluble  
Flammability limits (as percentage volume in air)  
Lower explosion limit: N/A  
Upper explosion limit: N/A

### 1.2 Other properties

Autoignition temperature = approx. 253 deg C.

### 1.3 Ingredients

Chemical entity	CAS No.	Proportions
Copper Sulphate	(7758-98-7)	1-10%
Ammonium Chloride	(12125-02-9)	1-10%
H2O	( )	80-98%

## **2. HEALTH HAZARD INFORMATION**

### **2.1 Health effects-Acute**

#### **Swallowed**

Ingestion can cause bladder irritation. Oral LD50=not available

#### **Eye**

No data available

#### **Skin**

No data available

#### **Inhaled**

Vapours can cause eye irritaion, dizziness and nausea. Inhalation LC50=not available.

### **2.2 Health effects-Chronic**

No data available.

### **2.3 First Aid**

#### **Swallowed**

Contact a doctor or the Poisons Information Centre immediately.

#### **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 copious amounts of 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.

### **2.5 Advice to doctor**

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

## **3. PRECAUTIONS FOR USE**

### **3.1 Exposure standards**

Tolerance=100ppm in air

### **3.2 Engineering controls**

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

### **3.3 Personal protection**

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

Wear protective equipment to minimise exposure.

### **3.4 Flammability**

Material is not flammable.

## SAFE HANDLING INFORMATION

### 4.1 Storage/Transport

Store in a cool place away from direct sunlight and other sources of heat.  
Keep containers tightly sealed.

### 4.2 Packaging/Labelling

UN No.	N/A
Class	N/A
Sub Risk	N/A
Hazchem Code	N/A
Pack Group	N/A
EPG Group	N/A
Shipping name	OXIDISING PATINA

### 4.1 Spills and Disposals

#### Spills

Contain and absorb diatomaceous earth.

#### 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

#### Fire/Explosion

May cause combustible materials to burn or explode. May burn if heated or ignited.  
Vapour may form an explosive mix in air. Evolves irritating and toxic gases on decomposition.

#### Extinguishing Media

Use dry chemical or polymer foam type extinguishers  
Use media appropriate to surrounding fire conditions.

### 5.1 Contact points

Organisation	Location	Telephone	Ask for
Langridge Artist Colours	Yarraville, Victoria	(03) 9689 0577	Mr. D. Coles