

# Material Safety Data Sheet

## SECTION 1 – PRODUCT IDENTIFICATION

**Product name:** Shellac Flakes  
**Chemical Family:** Natural Shellac Resin  
**Product Type:** Organic solid  
**Use:** Chemical intermediate, coating for timber, confectionary, tablets, fruit etc  
**Manufacturer:** UNI-PRO PAINTING EQUIPMENT  
**Supplier Address:** Units 9-11, 144-150 Canterbury Road, Kilsyth VIC 3137  
**Supplier Contact:** Customer Service  
**Telephone:** 03 9761 7900  
**Fax:** 03 9761 6522

## SECTION 2 – STATEMENT OF HAZARDOUS NATURE

This product has been assessed according to the criteria of the National Occupational and Safety Commission (NOHSC): 1008(1999) and NOHSC: 10005(1999). As a result of this assessment this product is classified as not hazardous according to the NOHSC criteria.

**UN Number:** None allocated  
**Dangerous goods class & Subsidiary risk:** None allocated  
**Hazchem code:** None allocated  
**Poisons schedule number:** Not scheduled

## SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

### Ingredients:

### Worksafe Exposure Limits

Chemical Entity	CAS Number	Proportion	TWA (mg/cu.m)	STEL (mg/cu.m)
Shellac	9000-59-3	Pure	Not set	Not set

This is a commercial product. The ratio of components may vary. Trace impurities are likely.

## SECTION 4 – HEALTH HAZARD INFORMATION

### Health Effects

No specific data is available for the product for chronic exposure symptoms. No known carcinogenic risk.

### Acute

**If Swallowed:** Data suggests that the product should be considered as non-toxic by ingestion.  
**Eye Contact:** Data suggests that the product should be classified as a slight eye irritant.  
**Skin Contact:** Data suggests that the product presents low hazard via skin contact.  
**Inhalation:** Inhalation may cause irritation of the nose and throat, and cause coughing and chest discomfort.

Not classified as hazardous according to NOHSC Australia.

**First Aid**

<b>If Swallowed:</b>	Do NOT induce vomiting. Wash mouth with water and give a glass of water to drink.
<b>Eye Contact:</b>	Wash eyes. No further measures should normally be required, unless a sharp corner of a shellac flake has scratched the eye.
<b>Skin Contact:</b>	Wash with soap and water. If skin irritation develops, seek medical advice.
<b>Inhalation:</b>	Remove to fresh air. If choking or incessant coughing seek medical advice.

**Advice to Doctor:** Treat Symptomatically. Note the nature of this product.

**SECTION 5 – FIRE FIGHTING MEASURES**

No explosion hazard under normal circumstances.

<b>Flashpoint:</b>	300 deg C
<b>Extinguishing Media:</b>	Carbon dioxide, dry chemical, water, foam
<b>Special Fire Fighting Procedures:</b>	None
<b>Decomposition Products:</b>	Carbon dioxide, carbon monoxide, water

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

See no. 13

**SECTION 7 – HANDLING AND STORAGE**

This product is sensitive to heat and can spoil if wet. Strong acids, alkalis and oxidizing agents should also be avoided.

**Precautions:**

Keep away from heat as the product deteriorates and becomes insoluble.

**Storage:**

De-waxed and bleached shellacs are more sensitive to heat than orange/golden shellac. These shellacs should be stored below 15 degrees C. Orange/golden shellacs should be stored at ground level out of direct sunlight.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION****Personal Protection:**

<b>Respiratory:</b>	It is usually safe not to use a dust mask. The fine powdered shellacs create more dust than the flake variety. A dust mask may be preferred.
<b>Protective Gloves:</b>	Not normally necessary.
<b>Eye Protection:</b>	Not normally necessary.
<b>Clothing:</b>	No special clothing required.

Wash hands regularly and before eating.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form:</b>	Solid
<b>Appearance and Odour:</b>	Pale to dark flakes or powder. No odour.
<b>Melting/Softening Point:</b>	72-77 degrees C
<b>Boiling Point &amp; Vapour Pressure:</b>	Decomposes
<b>Volatile Materials:</b>	Nil
<b>Flashpoint:</b>	>300 degrees C
<b>Specific Gravity:</b>	1.035 . 1.14
<b>Solubility:</b>	Insoluble
<b>Corrosiveness:</b>	Not corrosive

**SECTION 10 – STABILITY AND REACTIVITY DATA**

<b>Stability:</b>	The product is stable
<b>Instability Temperature:</b>	Not available
<b>Conditions of Instability:</b>	Excessive heat, ignition sources
<b>Corrosivity:</b>	Non corrosive in the presence of glass
<b>Polymerization:</b>	Will not occur

**SECTION 11 – TOXICOLOGICAL INFORMATION**

<b>Routes of Entry:</b>	Inhalation, Ingestion
No toxicity information to animals available.	
No chronic effects to humans available.	

**SECTION 12 – ECOLOGICAL INFORMATION**

Little detailed information on the ecological effects of this product is available.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Minor spills normally do not need any special clean up measures. In the event of a major spill, prevent from entering drains or water courses. No special protective clothing is necessary. Stop flow of product and contain spill. Sweep up and collect spill material for salvage.

**SECTION 14 – TRANSPORT INFORMATION**

No special provisions for transport.

**SECTION 15 – OTHER REGULATORY INFORMATION**

No specific regulations in Australia or New Zealand.

**SECTION 16 – OTHER INFORMATION****Contact Points**

<b>Police &amp; Fire Brigade:</b>	000
<b>National Poisons Information Centre:</b>	13 11 26
<b>UNI-PRO Painting Equipment:</b>	03 9761 7900

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS.