



Material Safety Data Sheet

SECTION 1. PRODUCT IDENTIFICATION

Product name: Shellac Flakes
Product Code: SH102, SH101, SH103, SH104
Product Type: Organic Solid
Chemical Family: Natural Shellac Resin
Uses: Chemical intermediate, coating for timber, confectionery, tablets, fruit etc
Manufacturer: UNi-PRO PAINTING EQUIPMENT
Supplier Address: Units 9-12, 144-150 Canterbury Road, Kilsyth VIC 3137
Supplier Contact: Customer Service
Telephone: 03 9761 7900
Fax: 03 9761 6522

SECTION 2. HAZARDS IDENTIFICATION

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/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 / FIRST AID MEASURES

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

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

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



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SECTION 5. FIRE-FIGHTING MEASURES

No explosion hazard under normal circumstances.

Flashpoint:	300 deg C
Extinguishing Media:	Carbon dioxide, dry chemical, water, foam
Special Fire Fighting Procedures:	None
Decomposition Products:	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:

Respiratory:	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.
Protective Gloves:	Not normally necessary.
Eye Protection:	Not normally necessary.
Clothing:	No special clothing required. Wash hands regularly and before eating.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 10. STABILITY AND REACTIVITY

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



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SECTION 11. TOXICOLOGICAL INFORMATION

Routes of Entry: 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. REGULATORY INFORMATION

No specific regulations in Australia or New Zealand.

SECTION 16. OTHER INFORMATION

CONTACT POINTS

Police & Fire Brigade:	000
National Poisons Information Centre:	13 11 26
UNI-PRO Painting Equipment:	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.