

MATERIAL SAFETY DATA SHEET
SHELLAC

Product Name: Shellac (all grades)
Sold by: Art Spectrum Manufacturing Pty Ltd
PO Box 287 Brunswick Vic
Telephone: 03 9387 9799
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1) IDENTIFICATION

Product Name: Shellac (All grades)
Un No: None allocated
Hazchem Code: None allocated
Dangerous Goods Class: None allocated
Sub Risk Class: No subsidiary risk
Poison Schedule: Not scheduled.
Product Type: Organic Solid
Chemical Family: Natural Shellac resin
Uses: Chemical intermediate, coating for timber, confectionary, tablets, fruit etc

2) COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients: Chemical entity	CAS No	Proportion	Worksafe Exposure Limits	
			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.

3) HEALTH HAZARD DATA

Health Effects:

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

Acute Effects:

Swallowed: Data suggests that the product should be considered as non toxic by ingestion.

Eye: Data suggests that the product should be classified as a slight eye irritant.

Skin: 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.

4) FIRST AID MEASURES

Swallowed: Do NOT induce vomiting. Wash mouth with water and give a glass of water to drink.

Eyes: Wash eyes. No further measures should be normally required, unless a sharp corner of a shellac flake has scratched the eye.

Skin: 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

5) FIRE FIGHTING MEASURES

No explosion hazard under normal circumstances.

Flashpoint: 300 degC

Extinguishing Media: Carbon dioxide, dry chemical, water, foam.

Special Fire Fighting Procedures: None

Decomposition Products: Carbon dioxide, carbon monoxide, water.

6) ACCIDENTAL RELEASE MEASURES

See No 13.

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 deg C. Orange/Golden shellac should be stored at ground level out of direct sunlight.

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

9) PHYSICAL AND CHEMICAL PROPERTIES

<u>Form:</u>	Solid
<u>Appearance & Odour:</u>	Pale to dark flakes or powder. No odour.
<u>Melting/Softening point:</u>	72-77 degC
<u>Boiling point and vapour pressure:</u>	Decomposes
<u>Volatile Materials:</u>	Nil
<u>Flashpoint:</u>	>300 degC
<u>Specific Gravity:</u>	1.035-1.14
<u>Solubility in Water:</u>	Insoluble
<u>Corrosiveness:</u>	Not corrosive.

10) STABILITY AND REACTIVITY DATA

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.

11) TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, Ingestion
No Toxicity information to animals available.
No Chronic Effects to humans available.

12) ECOLOGICAL INFORMATION

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

13) DISPOSAL CONSIDERATIONS

Minor spills normally do not need any special cleanup 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 spilt material for salvage.

14) TRANSPORT INFORMATION

No special provisions for transport.

15) OTHER REGULATORY INFORMATION

No specific regulations in Australia or New Zealand.

16) OTHER INFORMATION

Contact Points:

Police and Fire Brigade: 000, National poisons information Centre 131126,

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