

ALEC TIRANTI LIMITED

TOOLS, MATERIALS & EQUIPMENT FOR MODELLING, CARVING, SCULPTURE

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Material Safety Data Sheet

TERRACOTTA MODELLNG WAX

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Product Name / Supplier: Sculpture Wax
British Wax Refining Company.

2 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name / Synonyms: Blend of petroleum waxes and inorganic minerals.
Chemical Family: Straight and branch chain hydrocarbons, calcium carbonate.
CAS No.: N/A.
EINECS No.: N/A.
List of Dangerous Ingredients: None. This product contains no dangerous ingredients.

3 HAZARD IDENTIFICATION

Eyes: Harmless when cold, heated wax may cause burns.
Skin: Harmless to most skin when cold, although some people may be sensitised on prolonged or repeated contact, causing irritation.
Ingestion: Harmless if swallowed in small doses, but larger amounts may cause nausea and diarrhoea. Low order of toxicity.
Inhalation: Mist or fumes may cause irritation or coughing.

4 FIRST AID MEASURES

Eyes: Cold wax. Wash eyes thoroughly with water. Heated wax. Rinse with cool water to dissipate heat, do not try to remove wax. Obtain prompt medical attention:
Skin: Cold wax. Wash with soap, hand cleaner and water. Hot wax. Flush skin with cold water to cool as quickly as possible. Cover with clean cotton or gauze. Do not attempt to remove wax from a burn as this can result in tissue loss. Obtain prompt medical attention.
Ingestion: Wash the mouth with water. If large amounts are swallowed obtain prompt medical attention.
Inhalation: Remove to fresh air. Obtain medical attention if symptoms persist.

5 FIRE AND EXPLOSION HAZARD DATA

Flash Point: >250°C
Flammable Limits: Requires exposure to high temperature and naked flame.
Extinguishing Media: Dry chemical, CO₂, foam.
Special Fire Fighting Procedures: Wear self contained breathing apparatus and protective clothing to prevent contact with eyes and skin.
Fire and Explosion Hazards: Slight when exposure to heat and flames.
Fire Class according to DIN-EN 2:

6 ACCIDENTAL RELEASE MEASURES

In case of Spill: If molten, allow to solidify, scrape up and dispose of as solid combustible material. Do not wash solid or molten wax into drains.

7 HANDLING & STORAGE

Storage: Store away from boilers and hot pipes.
Handling Protection: No special precautions other than protection from splashing or contact with molten material.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:	A threshold value of 1mg/m ³ is recommended for wax fumes.
Eye Protection:	Safety glasses, chemical goggles (if splashing possible).
Skin Protection:	Heated wax should be handled with caution and suitable protective clothing worn.
Respiratory Protection:	Adequate ventilation.
Ventilation:	Normal ventilation.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State at Room Temperature:	Clay-like solid.
Form Supplied:	Billets or Blocks.
Colour:	Ivory, Grey or Terracotta.
Odour in Physical State:	Practically odourless.
Odour in Molten State:	Characteristic Waxy Odour.
Density at 20°C:	Approx. 1.4.
Congealing Point:	N/A.
Drop Melting Point °C:	N/A.
Ring and Ball Softening Point °C:	N/A.
Viscosity at 100°C, cSt:	N/A.
Penetration at 25°C:	N/A.
Acid Value:	N/A.
Saponification Value:	N/A.

10 STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous Decomp. Prods.:	None.
Hazardous Polymerisation:	Will not occur.
Incompatibility–Materials to Avoid:	None.

11 TOXICOLOGICAL INFORMATION

Toxicology:	No Data available.
Health Effects:	None expected.

12 ECOLOGICAL INFORMATION

Unlikely to cause any Environmental hazards. Degrades very slowly at ambient temperatures.

13 DISPOSAL CONSIDERATIONS

Disposal of Waste Product:	Treat as solid combustible materials and dispose in accordance with local regulations.
WC-Code:	12 01 12 Spent waxes and fats.
Disposal of packaging-pallets:	Pallets can be returned to supplier via haulier / forwarding agent.
Disposal of packaging-cartons:	Cartons may be returned to the appropriate used paper recycling point.

14 TRANSPORT INFORMATION

Designation:	Non-hazardous.
Special Precautions:	None.

15 REGULATORY INFORMATION

There is no regulatory material available

16 OTHER INFORMATION

Further Reading:	Ullmans's Encyclopedia of Industrial Chemistry, 5 th Edition.Vol.A28, Chapter "Waxes", Verlag Chemie, 1996 Shubik et al., Toxcol. Appl. Pharmacol, 4, Suppl. 1-62, 1962.
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09 March 2009

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MSDS: 101-440 Terracotta Modelling Wax