

# ALEC TIRANTI LIMITED

TOOLS, MATERIALS & EQUIPMENT FOR MODELLING, CARVING, SCULPTURE  
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## Material Safety Data Sheet

# Wax Pigments

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION

**Name:** 700 Grade Colour Concentrates  
 Wax Pigments / Wax Dye Granules  
**Chemical name and Synonyms:** Saturated petroleum hydrocarbons, stearine and oil soluble dyes

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**List of Dangerous Ingredients:** None. This product contains no dangerous ingredients.

### 3. HAZARDS IDENTIFICATION

**Inhalation:** Mist or fumes may cause irritation or coughing.  
**Eyes:** Harmless when cold, heated wax may cause burns.  
**Skin:** Harmless to most skin when cold, heated wax may cause burns.  
**Ingestion:** Harmless if swallowed in small doses, but larger amounts may cause nausea and diarrhea. See additional information.

### 4. FIRST AID

**Inhalation:** Remove to fresh air. Obtain medical attention if symptoms persist.  
**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.

### 5. FIRE AND EXPLOSION HAZARD DATA

**Flash point:** Greater than 200°C  
**Flammable Limits:** Requires exposure to a high temperature and naked flame.  
**Extinguishing Media:** Dry chemical, CO2 or foam.  
**Special Fire Fighting Procedures:** Wear self contained breathing apparatus and protective clothing to prevent contact with the eyes and skin.  
**Fire and Explosion Hazards:** Slight when exposure to heat and flames.

### 6. SPILL, LEAK AND DISPOSAL PRACTISES

**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 the drains.

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**7. SPECIAL STORAGE AND HANDLING PRECAUTIONS**

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

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**8. EXPOSURE CONTROL / PERSONAL PROTECTION INFORMATION**

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

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**9. PHYSICAL DATA**

<b>Appearance:</b>	Waxy solid, in a variety of colours.
<b>Melting Point:</b>	52 – 58°C
<b>Solubility in Water:</b>	Nil

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**10. REACTIVITY DATA**

<b>Stability:</b>	Stable
<b>Hazardous Decomposition of Products:</b>	None
<b>Hazardous Polymerisation:</b>	Will not occur.
<b>Incompatibility &amp; Materials to avoid:</b>	May react very slowly with strong acids.

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**11. TOXICOLOGICAL DATA**

<b>Toxicology:</b>	No data available.
<b>Health Effects:</b>	None expected.

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**12. ECOLOGICAL INFORMATION**

Waxes are unlikely to cause any environmental hazards and degrade very slowly at ambient temperatures.

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**13. DISPOSAL CONSIDERATIONS**

<b>Disposal of Waste Materials:</b>	Treat as solid combustible materials and dispose in accordance with local regulations.
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**14. TRANSPORTATION**

<b>Designation:</b>	Non Hazardous.
<b>Special Precautions:</b>	None.

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**15. REGULATORY INFORMATION**

There is no regulatory material available

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**FURTHER ADVICE**

Health and Safety Publications are available from H. M. Stationery Office or from local offices of the factory Inspectorate.

SHW 367	Dermatitis - Cautionary Notice.
SHW 397	Effects of Mineral Oil on the Skin.
MS/B/5	Skin Cancer caused by Oil.
MS/B/4	Skin Cancer caused by Pitch and Tar.
MS/B/6	Occupational (Industrial) Dermatitis

**FURTHER INFORMATION**

These products contain oil soluble dyes. Good industrial hygiene and safe working practice as agreed by the manufacturers of the dyes suggest that the dyes themselves should be treated with respect. Dyes should never be allowed to get into the eyes and can, with repeat contact, cause skin irritation. However in the concentrations used in these products, the potential hazard is minimised. Nevertheless, ingestion should be avoided, with food and drink banned from the areas where the sticks are handled in quantity. It is also sensible to prohibit smoking. Washing facilities both for routine and emergency use should be available convenient to where the concentrates are being handled in bulk. Staff must be told to wash their hands thoroughly before handling food or drink. In case of doubt medical advice should be sought.

The above comments apply to people handling these products in bulk who could be exposed to long term effects if they were handling these products continuously for an extended period of time. Customers and people handling the sticks occasionally would be at more risk from the dangers of burns from the hot wax used in candle making than they would be from contact with the small amounts of dye. A general advice about washing after handling raw materials might be recommended.

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