

Issue Date: 01/01/2013

## MATERIAL SAFETY DATA SHEET

**Worksafe Hazard Assessment:** Not classified as hazardous according to the criteria of Worksafe Australia.

**Products Names:** Course Lapping Paste

**UN No:** None allocated

**Hazchem Code:** 1 (Z)

**CAS No:** Not relevant

**Dangerous Goods Class:** None allocated

**Sub Risk Class:** No subsidiary risk

**Packaging Group:** None allocated

**EPG:** None allocated

**Poison Schedule:** Not scheduled

**Product Type:** Oil based Abrasive compound

**Chemical Family:** Mixture of paraffinic base oils, hydrocarbons and Abrasive grains

**Uses:** Used in small quantities for Lapping

### Physical Appearance & Properties

**Appearance & Odour:** Blue to Black coloured material of grease like consistency with Mineral oil odour.

**Chemical Reactivity:** Stable. Reacts with strong oxidizing agents.

**Solubility in Water:** Negligible

**Melting/Softening Point:** Melts in the range 45-70oC

**Boiling Point/Vapour Pressure:** No data expected to decompose before boiling at 100 kPa.

**Flash Point:** >248oC (PMCC. ASTM D 93)

### Ingredients (Chemical Entity)

**Paraffin Wax:** Cas No 64742-51-4 10 – 30%

**Refined Mineral Oil** (complex blend of Paraffinic, Naphthenic and Aromatic Hydrocarbons): Cas No 64742-47-8 10% - 60%

**Abrasive Grain Silicon Carbide:** Cas No 409-21-2 10 – 60%

**Aluminium Oxide:** Cas No 1344-28-1 10% - 60%

This is a commercial product and the exact ratio of components may vary. Trace quantities of impurities are also likely

### Health Hazard

**Eye:** The abrasive grains present in this product would be irritative to the eye causing redness and a tearing sensation.

**Swallowed:** Slightly toxic may cause gastric irritation.

**Skin:** Mildly irritating to the skin. Prolonged or repeated skin contact may cause dermatitis due to defatting effect.

### **First Aid**

If swallowed, do not induce vomiting, seek medical advice.

**Eye:** If this product comes in contact with the eye, hold eye open and wash with running water, ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. If irritation is evident, seek medical advice.

**Skin:** If this product comes in contact with the skin, wash thoroughly with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is washed before using again.

## **PRECAUTIONS FOR USE**

### **Exposure Standards**

**Worksafe Exposure Standard:** Time weighted average (TWA) 5 mg/m<sup>3</sup> (oil mist) short term exposure limit (STEL) 10 mg/m<sup>3</sup> (oil mist).

### **Engineering Controls**

Special ventilation is not normally required due to the low volatility of the product at normal temperatures. However, in the operation of certain equipment or at elevated temperatures, mists or vapour may be generated and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standard.

### **Personal Protection**

The use of eye protection is suggested when using this product.

Avoid contact with the skin and eyes and avoid breathing vapours or mists. When exposure is likely, personal protective equipment in a combination appropriate to the degree and nature of exposure should be selected, Eye protection (Consult AS 1335 & AS/NZS 1337 for information concerning eye protection), PVC Gloves, PVC apron and sleeves, or full PVC covering, PVC or rubber boots.

Where the concentration of vapour or mist is expected to approach the exposure limit, the following additional equipment is recommended.

### **Respiratory Protection**

A face mask or respirator may be used when the product is being used in dusty or confined areas, otherwise it is usually safe to not use respiratory protection. However, there may be other circumstances where use of a mask or other devices is preferred. Use judgement. For help in selecting suitable equipment, consult AS/NZS 1715.

### **Contamination**

If contamination occurs, change clothing and discard internally contaminated gloves and footwear. Launder contaminated clothing before use.

Eye wash fountains and safety showers should be available for emergency use.

### **References**

For detailed advice on Personal Protective equipment, refer to the following Australian Standards;

HB 9 (Handbook 9) Manual of industrial personal protection.

AS 1337 Eye protectors for industrial applications.

AS 1715 Selection, use and maintenance of respiratory, protective devices.

AS 1716 Respiratory protective devices.

### **Flammability**

Combustible liquid. Will not burn unless preheated.

Refer to AS 1940, Storage and handling of flammable and combustible liquids and AS 2865, Safe working in a confined space, for more specific information on these subjects.

## **PRECAUTIONS FOR USE**

### **Storage and Transport**

Classified as a class C2 combustible liquid for storage and handling purposes. Store in a well-ventilated place away from ignition sources, oxidizing agents, foodstuffs and clothing. Keep containers closed when not in use.

### **Spills and Disposal**

Extinguish or remove all sources of ignition. Contain the spill with sand or earth and take up with a vacuum or absorbed with absorbent material, sand or earth. Place used absorbent in suitable sealed containers and follow state or local authority regulations and guidelines for disposal of the waste. Clean area with detergent and water. Do not allow product to enter drains, sewers or water courses, inform the local authorities if this occurs.

### **Fire/Explosion Hazard**

There is no explosion hazard from this material under normal circumstances.

Combustible. Combustion products include oxides of carbon. Use foam, CO2 or dry powder to extinguish fire.

## OTHER INFORMATION

Long term animal experiments have shown that any health risks associated with the level of aromatic and polycyclic constituents contained within the Mineral Oil used within these products. These constituents are removed during the manufacturing process to a level at which no health risks are expected as a result of normal handling.