



MATERIAL SAFETY DATA SHEET

Revised/ Reviewed: February 2, 2006

HONING OIL

REF STN-OIL

For use with Arkansas Stones in the sharpening of dental hand instruments.

Section 1- Product and Company Information

Manufactured by: Miltex Inc.; 589 Davies Drive, York, PA 17402

Information: 717-840-9335, 717-840-9347 (fax)

Chemical Name & Synonyms: Petroleum Hydrocarbon

Chemical Formula: --

Section 2 – Composition/ Information on Ingredients

- Light Naphthenic Vacuum Distillate, CAS 64741-52-2, 100%, TLV 5 mg/m³ (mist)
- May also contain hindered phenol type inhibitor, less than 0.5%

Section 3 - Health Identification

Signs and Symptoms of Exposure: May cause reversible eye and skin irritation. Prolonged skin exposure may cause dermatitis or oil acne. Breathing mists may cause dizziness or pulmonary irritation. Ingestion may cause cramps and diarrhea.

Potential Health Effects: Tests on similar materials show a low order of acute toxicity. Regarding chronic exposure, the material is identified by IARC as class 1 mineral oil. There is evidence based on testing vacuum distillates that this material may cause cancer in laboratory animals.

Primary Route(s) of Entry: Eye, inhalation, skin, and ingestion.

Carcinogen: Not listed as a carcinogen by NTP or OSHA. Listed as carcinogen by IARC

Medical Conditions Aggravated by Exposure: None known.

HMIS Ratings: No information available

Section 4 - First Aid Measures

Eyes: Immediately flush with water for at least 15 minutes or until irritation subsides. If irritation persists, seek medical attention.

Skin: Wash thoroughly with soap and water for at least 15 minutes. If irritation or rash develops, seek medical attention.

Ingestion: Do not induce vomiting. Seek medical attention.

Inhalation: Not likely to occur except as mist. Remove to fresh air. If discomfort persists, seek medical attention.

Section 5 – Fire Fighting Measures

Flash Point (Test Method): Above 94°C/ 200°F (Tag Closed-cup)

Auto Ignition Temperature: Not determined

Flammable Limits- LEL: Not determined UEL: Not determined

Extinguishing Media: Dry chemical, carbon dioxide, water fog and foam. Note- water fog and foam may cause frothing and spattering.

Special Fire Fighting Procedures: Use water spray to cool containers exposed to flames. Fire fighting personnel should wear respiratory protection (positive pressure if available)

Unusual Fire and Explosion Hazards: Products of combustion include fumes, smoke, and carbon monoxide.

Section 6 - Physical and Chemical Properties

Physical State: Liquid Vapor Density (Air=1): Above 5

Appearance and Odor: Pale straw to yellow liquid with a mineral oil odor

Melting Point (°C): Not applicable Evaporation Rate (butyl acetate=1): Negligible

Specific Gravity (H₂O=1): 0.9 Solubility in Water: Not Soluble

Vapor Pressure: Below 0.5 Isoteniscope Boiling Point: IBP above 176°C/350°F

Section 7 – Stability and Reactivity

Stability: Stable

Conditions to Avoid: None known

Incompatibility/ Materials to Avoid: Strong oxidizers. Never permit oil to get to an oxygen regulator.

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Carbon dioxide and other combustion products of hydrocarbons.

Section 8 – Accidental Release, Disposal, and Ecological Information

Spill Response: Shut-off ignition sources. Contain spill and keep from entering waterways or sewers. Small quantities may be soaked-up with oil absorbents

Waste Disposal Method: Dispose of in accordance with all applicable federal, state, and local regulations. Material may become hazardous waste through use. If permitted, incineration may be practical. Consider recycling.

Ecological, General: No information available

Section 9 – Exposure Controls/ Personal Protection

Eye Protection: Safety glasses or splash goggles recommended

Respiratory Protection: Normally not required if adequate ventilation. If exposure limit is exceeded, NIOSH/MSHA approved apparatus is required

Ventilation Recommendations: If mists are present, provide adequate ventilation to control level below the Permissible Exposure Limit.

Skin Protection: Oil resistant gloves (neoprene or plastic)

Other: If there is a likelihood of oil splashing, an oil resistant apron should be worn to prevent clothing contamination.

Section 10 – Storage and Handling

Storage: Keep away from flames, sparks, or hot surfaces.

Handling: Never use a torch to cut or weld on or near a container. Empty oil containers can contain explosive vapors. Never wear oil soaked clothing; launder or dry clean before wearing. Discard of soaked shoes.

Section 11 – Miscellaneous

Toxicological Information: No information available

Transportation Information: Not regulated as a DOT Hazardous Material or IATA Dangerous Good

Other: --

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