

SECTION 1 IDENTIFICATION

Product Name: Dentalube® II
Advanced Handpiece Lubricant
Not For Internal Use In Human Pharmaceutical Applications.

Part Number: 262539

Manufacturer: StarDental®
1816 Colonial Village Lane
Lancaster, PA 17601
717-291-1161, Fax 717-291-3249

Production Information: 1-866-DTE-INFO (1-866-383-4636)

Emergency Response: FOR CHEMICAL EMERGENCY
Spill Leak, Fire Exposure or Accident
Call INFOTRAC-24 Hour Number: 1-800-535-5053
Outside of the United States Call 24 Hour Number: 001-352-323-3500

SECTION 2 HAZARD(S) IDENTIFICATION

Classification: Non-Hazardous

Warning: This product has been evaluated and does not require any hazard warning label under the OSHA Hazard Communication Standard.

Suggested H.M.I.S. Rating0-10-A

Potential Routes Of Entry

Inhalation.....Yes
Skin.....Yes
Ingestion.....Yes

Health Hazards (Acute and Chronic).....No hazards identified

Carcinogenicity

National Toxicology ProgramNo
I.A.R.C. Monographs.....No
O.S.H.A. Regulated.....No

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Dentalube II
Common Name: Severely hydroprocessed paraffinic white mineral Oil
CAS Number: 8042-47-5
Tocopherol added as an antioxidant.

SECTION 4 FIRST AID MEASURES

INHALATION If adverse effects occur, remove to uncontaminated area and get medical attention

EYES Flush with plenty of water

SKIN None required

INGESTION None required

Signs and Symptoms of Exposure:
Medical Conditions Generally Aggravated by Exposure-
May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficult breathing

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media-
Dry chemical, carbon dioxide, halogenated agents, foam, steam or water fog

Special Fire Fighting Procedure-
No information available

Unusual Fire/Explosion Hazards-
Do not store near heat or high temperature source.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Use proper personal protective equipment as indicated in Section 8.

Contain on an absorbent material such as sand, sawdust, dirt or clay.

Should be kept out of sewage and drainage systems and all bodies of water.

SECTION 7 HANDLING AND STORAGE

No special requirements for precautions for safe handling nor for conditions for safe storage

Other Precautions.....None

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use in a well ventilated area. Facilities using or storing this material should be equipped with an eyewash facility.

Respiratory Protection: If ventilation is inadequate and mist generated, use NIOSH/MSHA certified respirator. For air-purifying respirators, use a particulate cartridge. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

OSHA Z-1 TWA5 mg/m³ (oil mist)
ACGIH TWA5 mg/m³ (oil mist)
ACGIH STEL10 mg/m³ (oil mist)
Ventilation Use in well ventilated area
Protective GlovesNone required
Eye ProtectionSafety glasses or goggles
Other Protective Clothing/EquipmentNone required
Work/Hygenic PracticesIf airborne limits are above Occupational limits, Use a respirator

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance water-white oily liquid
Odor..... Petroleum Odor
Odor Threshold..... not applicable
pH not applicable
Melting Point/Freezing Point..... not applicable
Initial Boiling Point and Boiling Range..... >260° (500°F)
Flash Point..... (Cleveland Open Cup)129°C (265°F) (Min)
Evaporation Rate (Butyl Acetate=1) not available
Flammability (solid,gas)..... not available
Upper/Lower Flammability or Explosive Limits
LEL..... not applicable
UEL..... not applicable
Vapor Pressure (mm Hg.)..... <.01mm Hg @ 37.8°C (100°F)
Vapor Density (Air=1)>1
Relative Density..... not available
Solubility(ies) Soluble in hydrocarbons; Insoluble in water
Partition Coefficient: n-octanol/water..... not available
Auto-ignition temperature not available
Decomposition Temperature..... not available
Viscosity7.5cSt-90 cSt @ 40°C (104°F) (Min)
Specific Gravity (H₂O=1)0.82-0.86@ 15.6°C (60.1°F)/
15.6°C (60.1°F)
Percent Volatile by Weight (%)..... 18%

SECTION 10 STABILITY AND REACTIVITY

Reactivity: Non reactive under normal ambient conditions

Chemical Stability: Stable under normal ambient temperatures and pressures

Possibility of Hazardous Reactions: None known or expected

Conditions to Avoid: Any heat or ignition sources, open flames or other high temperature source.

Incompatible Materials: May React with Strong Acids and Oxidizing Agents

Hazardous Decomposition Products: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

Hazardous Polymerization: Will Not Occur

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Information is not available

Skin Corrosion/Irritation: A similar material produced a primary dermal irritation score of 2.7/8.0. A similar material had an LD50 greater than 2g/kg and was not a skin sensitizer. A similar material produced minimal skin irritation in humans (0.1/12) when applied for four days.

Serious Eye Damage/Irritation: A similar material produced a primary eye irritation score of 1.0/110;24 hr. (rabbit).

Respiratory or Skin Sensitization: Information is not available

Germ Cell Mutagenicity: Information is not available

Carcinogenicity: Information is not available

Reproductive Toxicity: Information is not available

STOT-Single Exposure: Information is not available

STOT-Repeated Exposure: Information is not available

Ingestion: A similar material had an LD50 greater than 5g/kg.

Effects: A representative white mineral oil was not carcinogenic to the skin of mice in a two-year study. Minor changes have been reported in the lungs of animals exposed to mineral oil mist at a concentration of 100mg/m³ or 50 mg/m³ for 2 years or 18 months, respectively.

Listings: No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic: The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

Terrestrial: This material is not expected to be readily biodegradable
This material is considered inherently biodegradable.

This material is not expected to present any environmental problems other than those associated with oil spills.

See sections 6 for accidental release measures.

Persistence and Degradability: Not readily biodegradable

Bioaccumulative Potential: Information is not available

Mobility in Soil: Information is not available

Other Adverse Effects (such as hazardous to the ozone layer):
Information is not available

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Dispose of in accordance with all local, state and federal regulations. Do not incinerate. Should be kept out of sewage and drainage systems and all bodies of water.

SECTION 14 TRANSPORT INFORMATION

UN NUMBER: Not Regulated

UN Proper Shipping Name: Not Regulated

Transport Hazard Class(es): Not Regulated

Packing Group, if applicable: Not Regulated

Environmental Hazards:

Marine Pollutant (Yes/No): Not Regulated

Other(s): Not Regulated

Transport in Bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not Regulated

Special Precautions: Not Regulated

SECTION 15 REGULATORY INFORMATION

CERCLA Reportable Quantity: This product is not reportable under 40 CFR Part 302.4.

OSHA Hazard Communication Standard: Listed by ACGIH. Listed by OSHA.

RCRA Status: This product is not subject to the 40 CFR Part 268.30 land ban on the disposal of certain hazardous wastes.

SARA Status: This product is not regulated under SARA TITLE III, 42 USC 9601.

TSCA Status: All of the components of this product are listed on the TSCA Inventory.

USDA Status: This product is acceptable to the USDA as a lubricant with incidental food contact (H1 status) and also for use as a release agent on grills, loaf pans, boning benches, chopping blocks and other hard surfaces to prevent food from adhering during processing (3H status) in establishments operating under the Federal meat and poultry inspection program.

FDA Status: This product meets or exceeds FDA requirements for direct use in food according to 21 CFR 172.878 It may also be used in products where indirect (incidental) contact with food may occur under 21 CFR 178.3620 and for animal feed under 21 CFR 573.680.

This product meets the requirements for light mineral oil as described in the U.S. Pharmacopeia XX/National Formulary XV.

SECTION 16 OTHER INFORMATION

Safety Data Sheet 62559 Rev I: Date of Preparation 2018/09/01

This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. The information herein is given in good faith but no warranty, either express or implied, is made.