

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

076508659

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

076508634

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

076508642

## 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

**Product 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. Rating ..... 0-1-0-A

Potential Routes of Entry

Inhalation ..... Yes

Skin ..... Yes

Ingestion ..... Yes

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

National Toxicology Program ..... No

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 TWA ..... 5 mg/m<sup>3</sup> (oil mist)

ACGIH TWA ..... 5 mg/m<sup>3</sup> (oil mist)

ACGIH STEL ..... 10 mg/m<sup>3</sup> (oil mist)

Ventilation ..... Use in a well ventilated area

Protective Gloves ..... None required

Eye Protection ..... Safety glasses or goggles

Other Protective Clothing/Equipment ..... None required

Work/Hygenic Practices ..... If 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°C (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.) ..... <.01 mm 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

Viscosity ..... 7.5 cSt - 90 cSt @ 40°C (104°F) (Min)

Specific Gravity (H<sub>2</sub>O=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 2 g/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 5 g/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 100 mg/m<sup>3</sup> or 50 mg/m<sup>3</sup> 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):** Not applicable

## 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 G: Date of Preparation 9/20/2012

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.

## SECTION 1 IDENTIFICATION

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Not For Internal Use In Human Pharmaceutical Applications.

PART NUMBER: 262539

MANUFACTURER: DENTALEZ, Inc.,

PRODUCTION INFORMATION: 1-866-DTE-INFO (1-866-383-4636)

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

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## 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. Rating..... 0-10-A

Potential Routes Of Entry

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

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

Carcinogenicity

National Toxicology Program ..... No

I.A.R.C. Monographs ..... No

O.S.H.A. Regulated..... No

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: DentaLube II

CAS Number: 8042-47-5

Common Name: Severely hydroprocessed paraffinic white mineral Oil

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 TWA ..... .5 mg/m<sup>3</sup> (oil mist)  
ACGIH TWA..... .5 mg/m<sup>3</sup> (oil mist)  
ACGIH STEL ..... 10 mg/m<sup>3</sup> (oil mist)  
Ventilation .....Use in well ventilated area  
Protective Gloves ..... None required  
Eye Protection.....Safety glasses or goggles  
Other Protective Clothing/Equipment.....None required  
Work/Hygienic Practices..... If 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  
Viscosity ..... 7.5cSt-90 cSt @ 40°C (104°F) (Min)  
Specific Gravity (H<sub>2</sub>O=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

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**Possibility of Hazardous Reactions:** None known or expected

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**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

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## 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

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## 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

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