

## **SAFETY DATA SHEETS**

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

076371058

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

076371389 273000124 273013574

Southland Distribution & Sales  
BioLube™ E-Formula Advanced Dental Handpiece Lubricant MSDS

4003 Enterprise Ct  
Augusta, Georgia 30907 USA

Telephone (706) 868-0105  
Fax (706) 650-7468

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SECTION I · PRODUCT IDENTIFICATION

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1. Manufacturer	:	Southland Distribution & Sales
2. Name	:	BioLube™ E-Formula Advanced Handpiece Lubricant
3. Product use	:	Semi-Synthetic lubricant for dental handpiece
4. Toxicity	:	Not a controlled product
5. Formula	:	A proprietary synthetic blend, biodegradable and non-toxic lubricant
6. Transportation	:	DOT Hazard Class Not Regulated

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SECTION II · PHYSICAL DATA

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1. Physical State	:	Clear Liquid
2. Color. ASTM	:	< 0.5
3. Specific Gravity	:	0.835 @ 15.6° C (60° F)
4. Flash Point	:	> 266° C (> 510° F), Open Cup
5. Pour Point	:	-54° C (-65° F)
6. Refractive Index	:	1.4615 @ 25° C (77 °F)
7. Evaporation Loss	:	22h, 0.7 @ 150° C (302° F)
8. Aniline Point	:	134.6° C (274.3° F)
9. Surface Tension	:	30.2 Dynes/cm @ 24° C (75° F)
10. Total Acid Number	:	< 0.05 mg/KOH/g
11. Kinematic Viscosity	:	10 cSt @ 100° C (212° F), 40 cSt @ 40° C (104° F)

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SECTION III · REACTIVITY DATA

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1. Chemical Stability	:	Stable
2. Reactivity	:	Nil
3. Hazardous decomposition product	:	Carbon monoxide
4. Hazardous polymerization	:	Will not occur
5. Incompatibility	:	Avoid contact with strong oxidizing agents

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SECTION IV · FIRE AND EXPLOSION DATA

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1. Flammability	:	Low Hazard. Product is non-flammable at ambient temperature, liquid may burn at temperatures near the boiling point.
2. Extinguishing Agents	:	Dry chemical, CO <sub>2</sub> , Water Spray, Foam, Water Fog and Sand Earth.

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SECTION V · TOXICOLOGICAL PROPERTIES

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1. Oral toxicity	:	Practically non-toxic, LD50 > 2000 mg/kg
2. Dermal toxicity	:	Practically non-toxic, LD50 > 2000 mg/kg
3. Inhalation toxicity	:	Practically non-toxic, LD50 > 5 mg/l
4. Eye irritation	:	Practically non-irritating, Draize score: 0 or >, but < 6.
5. Skin irritation	:	Practically non-irritating, Primary Irritation Index, 0.5 or less.

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SECTION VI · HEALTH HAZARD DATA

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1. Permissible concentration	:	Air 5 mg/m <sup>3</sup> for oil mist, re: OSHA
2. Eyes	:	Flush with water. If irritation continues, consult physician.
3. Skin	:	N/A
4. Inhalation	:	N/A
5. If swallowed	:	Call physician, do not induce vomiting.

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SECTION VII · ECOLOGICAL INFORMATION

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1. Ecotoxicity	:	Not expected to be harmful to aquatic organisms (LL50 or EL50 >100mg/L). Not expected to cause long-term adverse effects based on chronic test data (invertebrate Daphnia magna NOEL >= 100 ppm). Based upon test data for a similar product. Mobility, persistence and degradability and bioaccumulative potential not established.
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SECTION VIII · LEAKS OR SPILLS

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Lock off leak and/or source of spill. Remove all sources of ignition and where possible, uncontaminated equipment/items. USE CAUTION AS EXPOSED SURFACES MAY BE EXTREMELY SLIPPERY. Using saturation techniques, soak up leaked and/or spilled solutions with absorbent material. Dispose of saturated materials in accordance with Federal, State and local regulations.

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SECTION IX · PREPARATION OF MATERIAL

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# SOUTHLAND DISTRIBUTION & SALES

## SAFETY DATA SHEET

OSHA HCS (29 CFR § 1910.1200) & UN GHS Classification

### SECTION 1: IDENTIFICATION

**Product Name:** BIOLUBE® E-FORMULA ADVANCED DENTAL  
HANDPIECE LUBRICANT  
**Synonyms:** White Mineral Oil, Paraffinum Perliquidum (U.K.)  
**CAS Number:** See Section 3  
**Product Use:** Semi-Synthetic lubricant for dental handpiece  
**Manufacturer/Supplier:** Southland Distribution & Sales  
4003 Enterprise Court  
Augusta, GA 30907  
**General Information:** 800-880-0240  
**Transportation Emergency Number:** 800-880-0240

### SECTION 2: HAZARD(S) IDENTIFICATION

**GHS CLASSIFICATION:** This product is considered not hazardous under OSHA 29 CFR 1910.1200 (Hazard Communication)

**Potential environmental effects:** Ecological injuries are not known nor expected under normal use.

**Symbols:** None

#### 2.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Liquid

**Odor, Color, Grade:** Clear, slight amber color with mild orange scent

**General Physical Form:** Liquid

**Immediate health, physical and environmental hazards:** None

#### 2.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:**

**Mild Eye Irritant:** Product is non-irritating.

**Skin Contact:** Product is non-irritating.

**Inhalation:** Not applicable.

**Ingestion:** Not applicable.

#### 2.3 POTENTIAL ENVIRONMENTAL EFFECTS

**AQUATIC TOXICITY:** None

**ATMOSPHERIC FATE:** This product has Zero Ozone Depletion Potential (ODP).

**SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS**

White Mineral Oil	≥ 78.0 % C.A.S. No. 8042-47-5 % by volume.
Synthetic Hydrocarbons	≤ 22.0 % by volume, Proprietary Formulation; A proprietary blend of synthetic, biodegradable, non-toxic lubricants considered a Trade Secret.

**SECTION 4: FIRST-AID MEASURES****4.1 FIRST AID PROCEDURES**

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

<b>Eye Contact:</b>	Immediately flush eyes with large amounts of water for 15 minutes.
<b>Skin Contact:</b>	N/A
<b>Inhalation:</b>	N/A
<b>If Swallowed:</b>	Do not induce vomiting unless instructed to do so by medical personnel. Seek medical attention.

**4.2 NOTE TO PHYSICIANS:** Exposures resulting from intentional misuse and abuse may cause an increase in myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

**SECTION 5: FIRE-FIGHTING MEASURES****5.1 FLAMMABLE PROPERTIES**

**Flammability:** Low Hazard. Product is non-flammable at ambient temperature.

**Propellant:** CO<sub>2</sub>

**5.2 EXTINGUISHING MEDIA**

Dry chemical, CO<sub>2</sub> Water Spray, Foam, Water Fog and Sand Earth

**5.3 PROTECTION OF FIRE FIGHTERS:** N.A.

**Unusual Fire and Explosion Hazards:** No unusual fire or explosion hazards are anticipated

**NOTE:** See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1** Lock off leak and/or source of spill. Remove all sources of ignition and where possible, uncontaminated equipment/items. USE CAUTION AS EXPOSED SURFACES MAY BE EXTREMELY SLIPPERY. Using saturation techniques, soak up leaked and/or spilled solutions with absorbent material. Dispose of saturated materials in accordance with Federal, State and local regulations.

**6.2 Environmental precautions:**

Good ventilation should be sufficient. Supplementary ventilation or respiratory protection may be needed in special circumstances.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.**

**SECTION 7: HANDLING AND STORAGE**

**7.1 HANDLING:** Safety glasses and protective gloves recommended as with any Food Grade Chemical. No special precautions are necessary beyond normal good hygiene practices.

**7.2 STORAGE:** Store at room temperature.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 ENGINEERING CONTROLS:** Not required

**8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**8.2.1 Eye/Face Protection:** Avoid eye contact with vapors, mists or spray. The following eye protection(s) are recommended: Safety Glasses with side shields.

**8.2.2 Skin Protection:** Protective glove for extended use.

**8.2.3 Respiratory Protection:** None required.

**8.2.4 Prevention of Swallowing:** Do not eat, or drink when using this product.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Specific Physical Form:</b>	Clear Liquid
<b>Color. ASTM:</b>	<0.5
<b>General Physical Form:</b>	Liquid
<b>Specific Gravity:</b>	0.835 @ 15.6° C (60° F)
<b>Flash Point:</b>	>266° C (>510° F), Open Cup
<b>Pour Point:</b>	<-66° C (-65° F)
<b>Refractive Index:</b>	1.4615 @ 25° C (77° F)
<b>Evaporative Loss:</b>	22h, 0.7 @ 150° C (302° F)
<b>Aniline Point:</b>	134.6° C (274.3° F)
<b>Surface Tension:</b>	30.2 Dynes/cm @ 24° C (75° F)
<b>Total Acid Number:</b>	<0.05 mg/KOH/g
<b>Viscosity Index:</b>	126
<b>Kinematic Viscosity:</b>	12 cSt @ 40°C (104° F), <4 cSt@100°C (212°F)

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable

**Reactivity:** Nil

**Conditions to Avoid:** None

**Materials to Avoid:** Strong oxidizing agents.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Hazardous Decomposition:** Carbon Monoxide

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Oral Toxicity:</b>	Practically non-toxic, LD50>2000 mg/kg
<b>Dermal Toxicity:</b>	Practically non-toxic, LD50>2000 mg/kg
<b>Inhalation Toxicity:</b>	Practically non-toxic, LD50>5 mg/l
<b>Eye Irritation:</b>	Practically non-irritating, Draize score: 0 or >, but <6
<b>Skin Irritation:</b>	Practically non-irritating, Primary Irritation Index, 0.5 or less.

**SECTION 12: ECOLOGICAL INFORMATION\* (non-mandatory)****SECTION 13: DISPOSAL CONSIDERATIONS\* (non-mandatory)****SECTION 14: TRANSPORT INFORMATION\* (non-mandatory)****SECTION 15: REGULATORY INFORMATION\* (non-mandatory)**

**\* Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29CFR 1910.1200 (g) (2)).**

**SECTION 16: OTHER INFORMATION**

**Additional Information:** None  
**Date of Preparation:** September 26, 2014  
**The following sections contain revisions or new statements:** 1-16

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