

SAFETY DATA SHEETS

This SDS packet was issued with item:

076371389

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

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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

SECTION I · PRODUCT IDENTIFICATION

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

SECTION II · PHYSICAL DATA

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)

SECTION III · REACTIVITY DATA

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

SECTION IV · FIRE AND EXPLOSION DATA

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 ₂ , Water Spray, Foam, Water Fog and Sand Earth.

SECTION V · TOXICOLOGICAL PROPERTIES

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.

SECTION VI · HEALTH HAZARD DATA

1.	Permissible concentration	:	Air 5 mg/m ³ 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.

SECTION VII · ECOLOGICAL INFORMATION

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

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.

SECTION IX · PREPARATION OF MATERIAL

BioLube™ believes the statements, technical information and recommendations contained herein are reliable, however they are given without warranty or guarantee of any kind, express or implied, and BioLube™ assumes no responsibility for any loss, damage or expense, direct or consequential, arising out of their use.

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.

Eye Contact:	Immediately flush eyes with large amounts of water for 15 minutes.
Skin Contact:	N/A
Inhalation:	N/A
If Swallowed:	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: CO₂

5.2 EXTINGUISHING MEDIA

Dry chemical, CO₂ 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

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

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