

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 YF)
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.
----------------	---	--

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.