

# MATERIAL SAFETY DATA SHEET

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SECTION I				
<b>Product Identity (Name / Number)</b>		SMOOTH LUBE / 9738		
<b>Chemical Family</b>		Solvent-based lubricant. Flammable liquids, n.o.s. (contains Petroleum distillates), 3, UN1993, PG II. FLAMMABLE.  HMIS: Health = 2 (moderate), Fire = 4 (extreme), Reactivity = 0 (insignificant)		
SECTION II - Hazardous Ingredients				
Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Hydrocarbon Solvents	400 ppm	400 ppm		Proprietary
Liquid Flavoring Extracts	N/A	N/A		Proprietary
SECTION III - Physical & Chemical Characteristics				
<b>Boiling Point</b>	Greater than 200°F	<b>Specific Gravity</b>	0.8	
<b>Vapor Pressure (mm Hg)</b>	40mm Hg @68°F	<b>Melting Point</b>	N/A	
<b>pH</b>	N/A	<b>Evaporation Rate (Ethyl Ether=1)</b>	Approximately 4	
<b>Solubility in Water</b>	Negligible	<b>Appearance / Odor</b>	Clear Liquid/ Citrus	
SECTION IV - Fire & Explosion Hazard Data				
<b>Flammable Limits (Explosive Limit)</b>	<b>Upper:</b>	7	<b>Lower:</b>	1
<b>Flash Point (Method Used)</b>	Approx. 30°F. Extremely flammable. Autoignition Temperature >400°F.			
<b>Extinguishing Media</b>	Dry chemical, foam or carbon dioxide. Water spray may be used to keep exposed containers cool.			
<b>Special Fire Fighting Procedures</b>	NIOSH approved self-contained breathing apparatus, full protective clothing.			
<b>Unusual Fire and Explosion Hazards</b>	Extremely flammable. Material will ignite at ambient temperatures with spark. Vapors may travel to low areas and ignite or explode at ignition sources.			
SECTION V - Reactivity Data				
<b>Stability:</b>	<b>Unstable</b>		X	<b>Stable</b>
<b>Hazardous Polymerization:</b>	X	<b>Will Not Occur</b>		<b>May Occur</b>
<b>Conditions To Avoid</b>	Excessive heat. Ignition sources. Static electricity.			
<b>Incompatibility (Materials to Avoid)</b>	Avoid strong oxidizing agents and acidic agents.			
<b>Hazardous Decomposition or Byproducts</b>	Incomplete combustion can yield carbon monoxide and various hydrocarbons.			

**SECTION VI(a) - Health Hazard Data**

<b>Inhalation</b>	High vapor concentrations are irritating to the eyes and the respiratory tract. May cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death in extreme cases.
<b>Eye</b>	Slightly irritating.
<b>Skin</b>	Low order of toxicity. Frequent or prolonged contact may irritate and cause dermatitis.
<b>Ingestion</b>	Low order of toxicity. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury.

**Reported As Potential Carcinogen or Carcinogen**

<b>International Agency for Research on Cancer</b>	X <b>Not Applicable</b>
<b>National Toxicology Program</b>	<b>OSHA</b>

**SECTION VI(b) - First Aid Procedures**

<b>Inhalation</b>	Immediately remove victim from exposure. Administer artificial respiration if breathing has stopped. Get medical attention.
<b>Eye</b>	Flush eyes with large amounts of water until irritation subsides. Get medical attention.
<b>Skin</b>	Wash with large amounts of water; use soap if available. Remove contaminated clothing, including shoes.
<b>Ingestion</b>	DO NOT induce vomiting. Keep at rest. Get medical attention.

**SECTION VI(c) - Employee Protection**

**Respiratory Protection (Utilize NIOSH approved respirators. Refer to manufacturer's protection factors and OSHA standard 1910.134 as a guideline.) NIOSH approved respirator for dusts or mists.**

**SPECIAL PROTECTION INFORMATION:**

<b>EYE</b>	Protective goggles if splashing is possible. Maintain eye wash fountain in work area.
<b>SKIN</b>	Wear impervious protective clothing to prevent skin contact.
<b>VENTILATION</b>	Maintain proper ventilation to keep work area below TLV levels. If TLV is exceeded (i.e. 400ppm), a full facepiece chemical cartridge respirator may be worn.
<b>SPECIAL PROTECTION</b>	Use in well ventilated area. Avoid irritating levels by using sufficient exhaust system.

**SECTION VII - Special Precautions**

<b>Handling and Storage</b>	Store in cool, dry, well ventilated area, away from heat and ignition sources. Smoking should not be allowed. Dispense with U.L. approved pump designed for use with flammable solvents. Use non-sparking tools and equipment.
<b>Other Precautions</b>	Drain containers completely. Properly bung and promptly return to a drum reconditioner. Liquid or vapor residue in "EMPTY" drums are flammable.

**SECTION VIII - Environmental Protection**

<b>Spills / Releases</b>	Contain spilled liquid with sand or earth, but not with combustible materials such as sawdust. Recover by pump or absorbent.
<b>Waste Disposal Method</b>	Consult an expert on disposal and ensure conformity to local, state and federal disposal regulations.

**DISCLAIMER** The information contained herein is based upon data available to us and reflects our best professional judgment. Since it is impossible to anticipate the conditions under which our products may be used, we cannot guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product for his particular purpose and should comply with all federal, state

and local regulations. Our goal is to manufacture products with zero or minimal hazards. Our products are improved daily as up-to-date information and research is received from our suppliers to use products with less or no hazards. Please feel free to contact us for current information.