



## SECTION 1 - Product Information

**Product Identifier:** 932 Food Grade Lube Oil

**Product Use:** Lubrication

**Manufacturer's Name:** Aerove Industries Inc.

**Address:** 1198 Mark Circle, Gardnerville, NV 89410

**Emergency Phone:** 1-800-424-9300

**Preparation Date:** March 27, 2008

## SECTION 2 - Hazardous Ingredients

Hazardous Ingredients	Weight %	CAS Number	LD <sub>50</sub> of Ingredient (species & route)	LC <sub>50</sub> of Ingredient (species)
Paraffinic White Mineral Oil	100	8042-47-5	N / AV	N / AV

## SECTION 3 - Physical Data

**Physical State:** Liquid      **Specific Gravity:**      **Evaporation Rate:** Faster than n-Butyl Acetate  
**Boiling Point:** 575° - 800°F (302°-427°C)      **Freezing Point:** N / AV      **pH:** N / AP  
**Vapor Density (air = 1):** Heavier air      **Vapor Pressure (psig):** N / AV  
**Odor and Appearance:** Clear liquid / Solvent based odor      **Odor Threshold (ppm):** N / AV  
**Coefficient of Water/Oil Distribution:** N / AV

## SECTION 4 - Fire and Explosion Data

**Flammability:** Yes - Flammable liquid under conditions of sparks, flame, or excessive heat.  
**Means of Extinction:** *Extinguishing Media* - Carbon dioxide, foam, dry chemical. *Firefighting Procedures* - Closed containers may rupture due to pressure build up from extreme temperature. Use water spray to cool containers to prevent pressure build up. Self-contained breathing apparatus should be used if product is involved in fire.  
**Flashpoint:** 365° F (165° C)      **Method Used:** Estimated / PMCC      **Flammable Limits - LFL:** N / AV%      **UFL:** N / AV%  
**Autoignition Temperature:** N / AV      **Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide.  
**Explosion Data - Sensitivity to Mechanical Impact:** No  
**Explosion Data - Sensitivity to Static Discharge:** Material can accumulate static charges. Bond and ground container when pouring.

## SECTION 5 - Reactivity Data

**Chemical Stability:** Stable      **Incompatibility with Other Substances:** Strong oxidizing agents, strong acids or bases.  
**Reactivity & Conditions:** None      **Hazardous Decomposition Products:** None

**NOTE:** N / AP = Not Applicable N / AV = Not Available

## SECTION 6 - Toxicological Properties

**Primary Routes of Entry:** Skin Contact, Skin Absorbtion, Eye Contact, Inhalation, Ingestion

**Effects of Acute Exposure to Product:**

*Skin Contact* - Irritation.

*Skin Absorbtion* - Irritation.

*Eye Contact* - Irritation.

*Inhalation* - Irritation. May cause dizziness, light-headedness and / or headaches.

*Ingestion* - Low toxicity. May cause chemical pneumonia if aspirated into lungs.

**Effects of Chronic Exposure to Product:** Dermatitis.

**Exposure Limits (TLV):**

Paraffinic White Mineral Oil      5 Mg / M<sub>3</sub> TLV and 5 Mg / M<sub>3</sub> PEL - ACGIH 2005

**Irritancy:** Skin, eyes, and respiratory tract.

**Sensitization:** N / AV

**Carcinogenicity:** The ingredients are not listed as a human carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive Toxicity:** N / AV

**Teratogenicity:** N / AV

**Mutagenicity:** N / AV

**Synergistic Products:** N / AV

## SECTION 7 - Preventive Measures

**Personal Protective Equipment (PPE):** Gloves - Yes Respirator - Yes Eye - Yes Footwear - No Clothing - No Other - No

*Skin Protection* - Chemical resistant gloves such as Neoprene or Nitrile rubber.

*Respiratory Protection* - In areas with poor ventilation, use a NIOSH approved Organic Vapor Cartridge Respirator.

For concentrations above the TLV (as defined in Section 6), use a positive air supplied respirator.

*Eye Protection* - Safety glasses or goggles.

**Engineering Controls:** General ventilation to maintain exposure limits below TLV's as defined in Section 6.

**Leak and Spill Procedure:** Remove all sources of ignition. Ventilate area. Prevent from entering a watercourse. Use an inert absorbent material and non-sparking type tools.

**Waste Disposal:** Dispose of in accordance with local, state/provincial or territorial, and federal regulations. Do not incinerate closed containers.

**Handling Procedures and Equipment:** Do not use near heat, sparks, or open flame. Use PPE as defined in Section 7.

**Storage Requirements:** Do not store near heat, sparks, flame.

**Special Shipping Information:**

## SECTION 8 - First Aid Measures

**Inhalation:** Remove from exposure, seek medical attention if signs/symptoms persist.

**Ingestion:** Do NOT induce vomiting, drink plenty of water, seek medical attention.

**Skin Contact:** Wash affected area with soap and water, remove contaminated clothing, seek medical attention if irritation persists.

**Eye Contact:** Flush immediately with water for 15 minutes, seek medical attention if irritation persists.

## SECTION 9 - Preparation Information

**Prepared by:** Technical Department

**Telephone Number:** 775-782-0100

**Preparation Date:** 3-27-08

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE SO. NOTHING CONTAINED HEREIN CONSTITUTES A SPECIFICATION NOR IS IT INTENDED TO WARRANT SUITABILITY FOR THE INTENDED USE.

**SECTION 1 - Product Information**

**Product Identifier:** 933 Food Grade Lube Grease  
**Product Use:** Lubrication  
**Manufacturer's Name:** Aerove Industries Inc.  
**Address:** 1198 Mark Circle, Gardnerville, NV 89410  
**Emergency Phone:** 1-800-424-9300  
**Preparation Date:** March 28, 2008

**SECTION 2 - Hazardous Ingredients**

Hazardous Ingredients	Weight %	CAS Number	LD <sub>50</sub> of Ingredient (species & route)	LC <sub>50</sub> of Ingredient (species)
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\*\*\*NO REPORTABLE QUANTITIES OF INGREDIENTS ARE PRESENT.\*\*\*

**SECTION 3 - Physical Data**

<b>Physical State:</b> Liquid	<b>Specific Gravity:</b> .9	<b>Evaporation Rate:</b> Faster than n-Butyl Acetate
<b>Boiling Point:</b> N / AV	<b>Freezing Point:</b> N / AV	<b>pH:</b> N / AP
<b>Vapor Density (air = 1):</b> Heavier air		<b>Vapor Pressure (psig):</b> N / AV
<b>Odor and Appearance:</b> Translucent White Semi-Solid / Mild Odor		<b>Odor Threshold (ppm):</b> N / AV
<b>Coefficient of Water/Oil Distribution:</b> N / AV		

**SECTION 4 - Fire and Explosion Data**

**Flammability:** Yes - Flammable liquid under conditions of sparks, flame, or excessive heat.  
**Means of Extinction:** *Extinguishing Media* - Carbon dioxide, foam, dry chemical. *Firefighting Procedures* - Closed containers may rupture due to pressure build up from extreme temperature. Use water spray to cool containers to prevent pressure build up. Self-contained breathing apparatus should be used if product is involved in fire.  
**Flashpoint:** 400°F (204°C)      **Method Used:** Estimated / PMCC      **Flammable Limits - LFL:** N / AV%      **UFL:** N / AV%  
**Autoignition Temperature:** N / AV      **Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide.  
**Explosion Data - Sensitivity to Mechanical Impact:** No  
**Explosion Data - Sensitivity to Static Discharge:** Material can accumulate static charges. Bond and ground container when pouring.

**SECTION 5 - Reactivity Data**

**Chemical Stability:** Stable      **Incompatibility with Other Substances:** Strong oxidizing agents, strong acids or bases.  
**Reactivity & Conditions:** None      **Hazardous Decomposition Products:** None

**NOTE:** N / AP = Not Applicable N / AV = Not Available

**SECTION 6 - Toxicological Properties**

**Primary Routes of Entry:** Skin Contact, Skin Absorbtion, Eye Contact, Inhalation, Ingestion  
**Effects of Acute Exposure to Product:**  
*Skin Contact* - Irritation.  
*Skin Absorbtion* - Irritation.  
*Eye Contact* - Irritation.  
*Inhalation* - Irritation. May cause dizziness, light-headedness and / or headaches.  
*Ingestion* - Low toxicity. May cause chemical pneumonia if aspirated into lungs.  
**Effects of Chronic Exposure to Product:** Dermatitis.

**Exposure Limits (TLV):**  
N / AV

**Irritancy:** Skin, eyes, and respiratory tract.

**Sensitization:** N / AV

**Carcinogenicity:** The ingredients are not listed as a human carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive Toxicity:** N / AV      **Teratogenicity:** N / AV      **Mutagenicity:** N / AV      **Synergistic Products:** N / AV

**SECTION 7 - Preventive Measures**

**Personal Protective Equipment (PPE):** Gloves - Yes Respirator - Yes Eye - Yes Footwear - No Clothing - No Other - No  
*Skin Protection* - Chemical resistant gloves such as Neoprene or Nitrile rubber.  
*Respiratory Protection* - In areas with poor ventilation, use a NIOSH approved Organic Vapor Cartridge Respirator. For concentrations above the TLV (as defined in Section 6), use a positive air supplied respirator.  
*Eye Protection* - Safety glasses or goggles.  
**Engineering Controls:** General ventilation to maintain exposure limits below TLV's as defined in Section 6.  
**Leak and Spill Procedure:** Remove all sources of ignition. Ventilate area. Prevent from entering a watercourse. Use an inert absorbent material and non-sparking type tools.  
**Waste Disposal:** Dispose of in accordance with local, state/provincial or territorial, and federal regulations. Do not incinerate closed containers.  
**Handling Procedures and Equipment:** Do not use near heat, sparks, or open flame. Use PPE as defined in Section 7.  
**Storage Requirements:** Do not store near heat, sparks, flame.  
**Special Shipping Information:**

**SECTION 8 - First Aid Measures**

**Inhalation:** Remove from exposure, seek medical attention if signs/symptoms persist.  
**Ingestion:** Do NOT induce vomiting, drink plenty of water, seek medical attention.  
**Skin Contact:** Wash affected area with soap and water, remove contaminated clothing, seek medical attention if irritation persists.  
**Eye Contact:** Flush immediately with water for 15 minutes, seek medical attention if irritation persists.

**SECTION 9 - Preparation Information**

**Prepared by:** Technical Department

**Telephone Number:** 775-782-0100

**Preparation Date:** 3-28-08

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