



I. Identification

Product Identifier:	LINCLEAR 5
Recommended Use:	White mineral oil.
Recommended Restrictions:	None known.
Manufacturer Information	
Manufacturer:	Linder Oil Company, Inc.
Address:	820 Industrial Parkway Ossian, IN 46777
Telephone:	1-260-622-4680
Email:	lab@linderoilco.com
Chemtrec:	1-800-424-9300

II. Hazard(s) Identification

Physical Hazard(s):	Not classified.
Health Hazard(s):	Aspiration hazard – Category 1.
Environmental Hazard(s):	Not classified.
OSHA Defined Hazard(s):	Not classified

Label Elements

Hazard Symbol(s):



Signal Word:	Danger.
Hazard Statement(s):	May be fatal if swallowed and enters airways.
Precautionary Statement(s):	Not applicable.
Prevention:	Not applicable.
Response:	IF SWALLOWED: Immediately call a poison center or physician. DO NOT induce vomiting.
Storage:	Store locked up.
Disposal:	Dispose of contents and container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. See section 13 of this SDS for disposal instructions.

Hazard(s) Not Otherwise Classified (HNOC): None known.

III. Composition/Information on Ingredients

Substances

Chemical Name	CAS Number	%
White mineral oil	8042-47-5	100
Vitamin E	7695-91-2	0 – 20 ppm

IV. First-Aid Measures

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs. Aspiration of oil to the lungs has the potential to cause fatal chemical pneumonia – seek medical help immediately.

Skin Contact: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Eye Contact: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Not available.

Most Important Symptoms and Effects, Acute and Delayed:

Indication of Immediate Medical Attention and Special Treatment Needed:

General Information: Treat symptomatically.

Contact physician if discomfort continues.

V. Fire-Fighting Measures

Suitable Extinguishing Media: Halon, dry chemicals, foam, carbon dioxide (CO₂), water spray, or fog. Do not use water jet as an extinguisher, as this will spread the fire.

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical: No unusual fire or explosion hazards noted.

Special Protective Equipment and Precautions for Firefighters:	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing, and face mask.
Fire-Fighting Equipment and Instructions:	Cool containers exposed to flames with water until well after the fire is out. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and, in enclosed spaces, SCBA. Use pressurized air mask if product is involved in a fire.
General Fire Hazards:	No unusual fire or explosion hazards noted. Flammability Class: Combustible IIIB.

VI. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.
Methods and Materials for Containment and Cleaning Up:	Large Spills: ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth, or absorbent material then place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewer, basements, or confined areas. Avoid discharge to the aquatic environment. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses, or onto the ground. If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center.

VII. Handling and Storage

Precautions for Safe Handling:	Do not breathe dust, fume, gas, mist, vapors, or spray. Wash hands after handling and before eating. Do not get this material in contact with eyes.
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Conditions for Safe Storage, Including Any Incompatibilities:	Avoid contact with skin. Avoid prolonged exposure. All handling to take contaminated clothing promptly. Keep away from heat, sparks, and open flame. Store in a well-ventilated place.
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VIII. Exposure Controls/Personal Protection

Occupational Exposure Limits:

US ACGIH Threshold Limit Values

Component(s)	Type	Value	Form
White mineral oil (CAS 8042-47-5)	STEL	10 mg/m ³	Mist
	TWA	5 mg/m ³	Mist

Biological Limit Values: No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls: Use in a well-ventilated area.

Individual Protection Measures, Such as Personal Protective Equipment:

Eye & Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements, and other substances in the workplace.

Hand Protection: Suggested material for protective gloves include: Nitrile Rubber, Silver Shield, Viton.

Other: Not available.

Respiratory Protection: No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators may not provide adequate protection.

Thermal Hazards: Not available.

General Hygiene Considerations: Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

IX. Physical and Chemical Properties

Appearance:	Clear and bright.
Physical State:	Liquid.
Form:	Liquid.
Color:	Water white.
Odor:	Mild petroleum odor.
Odor Threshold:	Not available.
pH:	Not applicable.
Melting Point/Freezing Point:	Not available.
Initial Boiling Point and Boiling Range:	> 500 °F (> 260 °C)
Flash Point:	≥ 311.0 °F (≥ 155 °C) Cleveland Open Cup
Evaporation Rate:	Not available.
Flammability (solid, gas):	Not available.
Upper/Lower Flammability or Explosive Limits	
Flammability Limit – Lower (%):	Not available.
Flammability Limit – Upper (%):	Not available.
Explosive Limit – Lower (%):	Not available.
Explosive Limit – Upper (%):	Not available.
Vapor Pressure:	< 0.01 mmHg @ 100 °F (37.8 °C)
Vapor Density:	> 1
Relative Density:	0.8597 at 60 °F (15.56 °C)
Solubility(ies)	
Solubility (water):	Insoluble.
Partition coefficient (n-octanol/water):	Not established.
Auto-ignition Temperature:	Not determined.
Decomposition Temperature:	Not available.
Viscosity:	74.3 SUS at 100 °F

****NOTE:** These values are typical. For specific data, please refer to the certificate of analysis.

X. Stability and Reactivity

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage, and transport.
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Chemical Stability:	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to Avoid:	Heat, flames, and sparks. Avoid temperatures exceeding the flash point.
Incompatible Materials:	May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous Decomposition Products:	None known or expected.

XI. Toxicological Information

Symptoms Related to the Physical, Not available.

Chemical and Toxicological

Characteristics:

Information on Toxicological Effects

Acute Toxicity:	Dermal: LD50 > 5g/kg (rat). The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components. Practically non-toxic.
	Oral: LC50 > 5000 mg/kg (rat). The acute oral toxicity hazard is based on evaluation of data for similar materials or product components. Practically non-toxic.
Skin Corrosion/Irritation:	Minimal. The skin irritation hazard is based on evaluation of data for similar materials or product components.
Serious Eye Damage/ Irritation:	Minimal. The eye irritation hazard is based on evaluation of data for similar materials or product components.
Respiratory or Skin Sensitization	
Respiratory Sensitization:	Not available.
Skin Sensitization:	Minimal. The skin sensitization hazard is based on evaluation of data for similar materials or product components.
Germ Cell Mutagenicity:	Not available.
Carcinogenicity:	Not available.
Reproductive Toxicity:	Not available.
Specific Target Organ Toxicity	
Single Exposure:	Not available.
Repeated Exposure:	Not available.
Aspiration Hazard:	May be fatal if swallowed and enters airways.
Chronic Effects:	Not available.

XII. Ecological Information

Ecotoxicity:	The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.
Persistence and Degradability:	This material is considered inherently biodegradable. This material is not expected to present any environmental problems other than those associated with oil spills.
Bioaccumulative Potential:	Not available.
Mobility in Soil:	Not available.
Other Adverse Effects:	None known.

XIII. Disposal Considerations

Disposal Instructions:	When this product, as supplied, is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261. Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations and material characteristics at time of disposal.
Hazardous Waste Code:	Not applicable.
Waste from Residues/Unused Products:	Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.
Contaminated Packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.

XIV. Transport Information

DOT:	Not regulated as dangerous goods.
IATA:	Not regulated as dangerous goods.
IMDG:	Not regulated as dangerous goods.
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:	Not available.

XV. Regulatory Information

Regulatory Lists Searched:	01-1=IARC Group 1 01-2A=IARC Group 2A 01-2B=IARC Group 2B 35=WHMIS IDL
	No components of this material were found on the regulatory lists above.
Chemical Inventories:	All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), KECI (Korea), PICCS (Philippines), and TSCA (United States).
WHMIS Classification:	This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

XVI. Other Information

Issue Date:	05/08/2015
Version #:	1.0
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