



## SPECIALIZED LUBRICANTS

### 1. Substance/Product Identification

**Product Name:** 195 Supertac Food Grade Grease NLGI #1 and #2 Grades

**Company/Address:** Schaeffer Mfg

102 Barton Street

Saint Louis, Missouri 63104

USA

**Synonyms:**

**Preparation/Revision Date:** 02/03/2011

**Product Use/Type:** Lubricating grease for food and feed processing equipment

**Emergency Phone Number:** +1 314 865-4105 (24-hour response number)

+ 1 314 865-4100 (Business hours 8:30AM-5:00PM)

1-800-325-9962 (US & Canada)

**Website:** [www.schaefferoil.com](http://www.schaefferoil.com)

**MSDS Number:** 195 Version 1.0

### 2. Hazards Identification

**Appearance:** White color

**Odor:** Slight odor

**Principal Hazards:** Eye irritation

**Hazardous Materials Information System  
(U.S.A)**

**Health: 1**

**Fire: 1**

**Reactivity: 0**

**National Fire Protection Agency System  
(U.S.A.)**

**Health: 1**

**Fire: 1**

**Reactivity: 0**

See Section 11 for complete health hazard information

## Product Name: 195 Supertac Food Grade Grease NLGI #1 and #2 Grades

### 3. Composition and Information on Ingredients

#### Hazardous Ingredients

Ingredient Name	CAS No.	EU Number	Percentage (by wt.)
Zinc Oxide, USP	1314-13-2	215-222-5	1-5
Technical White Oils	8042-47-5	232-455-8	50 – 85
1-Decene Homopolymer, Hydrogenated (PAO)	68037-01-4	500-183-1	1 - 15
Aluminum benzoate hydrogenated tallow fatty acid iso-Pr alc complex	68647-58-5	271-959-2	<10
Polyisobutylene	9003-27-4		<10
PTFE Fluoropolymer	9002-84-0		<3

The highly refined technical white petroleum base oils contain <3% w/w DMSO extracts according to the IP 346 Test method

### 4. First Aid Measures

**Ingestion:** If swallowed, do not induce vomiting. Give the person a glass of water or milk to drink and get immediate medical attention. Never give anything by mouth to an unconscious person.

**Eyes:** Flush eyes with running water immediately while holding the eyelids open. Remove contact lenses, if worn, after initial flushing, and continue flushing for at least 15 minutes. Get immediate medical attention.

**Inhalation:** Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.

**Skin:** To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse. Get medical attention if any irritation or redness develops.

**Additional Information:** Ingestion of this product or subsequent vomiting may result in aspiration of light hydrocarbon liquid, which may cause pneumonitis. In the event of injection in underlying tissue, immediate treatment should include extensive incision, debridement and saline irrigation. Inadequate treatment can result in ischemia and gangrene.

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### 5. Fire Fighting Measures:

**Flash Point:** Base oils 440°F (227°C) Cleveland Open Cup ASTM D-92

**Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

**Firefighting Procedures:** This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus

**Unusual Fire & Explosion:** Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

### 6. Accidental Release Measures

**Spill Procedures and Clean up methods:** Eliminate all sources of ignition in vicinity of spilled material. Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

**Personal Precautions:** Wear appropriate personal protective equipment when cleaning up spills.

**Environmental Precautions:** U.S.A. regulations may require reporting spills of this material that could reach any surface waters. Report spills to local authorities and/or the National Response Center at (800) 424-8802 as appropriate or required.

### 7. Handling & Storage

**Handling:** Avoid all contact of product with eyes and skin. Wash thoroughly after handling and before eating, smoking or using toilet facilities. Do not swallow or inhale vapors. Do not eat, drink or smoke in work areas. Empty containers may contain product residues that can ignite with explosive force. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to flames, sparks, heat or other potential ignition sources.

**Storage:** Do not store near heat, spark, flame and strong oxidizers. Food grade lubricants should be stored away from and segregated from non-food grade lubricants in their own separate storage area.

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**8. Exposure Controls and Personal Protection**

**Occupational Exposure Limits**

<b>Ingredient</b>	<b>OSHA TWA</b>	<b>OSHA STEL</b>	<b>ACGIH TWA</b>	<b>ACGIH STEL</b>
Zinc Oxide, USP	N/E		N/E	
Technical White Oils	5 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>	
1-Decene Homopolymer, Hydrogenated (PAO)	5 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>	
Aluminum benzoate hydrogenated tallow fatty acid iso-Pr alc complex	N/E		N/E	
Polyisobutylene	N/E		N/E	
PTFE Fluoropolymer	N/E		N/E	

- (s)-Skin exposure
- (p) proposed limit
- (c) – Ceiling limit
- (l) Recommended exposure limit
- (u) supplier limit
- (N/E) – not established

**Engineering Controls:** If user operations generate an oil mist, determine if airborne concentrations are below the OSHA Permissible Limit (PEL) of 5 mg/m<sup>3</sup> for mineral oil mist. If not, wear a NIOSH approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge

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## **8. Exposure Controls and Personal Protection continued**

### **Personal Protective Equipment**

**Gloves:** Nitrile or oil resistant gloves

**Protective Clothing:** Wear impervious protective clothing to prevent skin contact. Selection of protective clothing may include gloves, apron, boots, and complete facial protection depending on operations conducted. Users should determine acceptable performance characteristics of protective clothing. Consider physical requirements and other substances present when selecting protective clothing.

**Eye Protection:** Wear eye protection such as safety glasses, chemical goggles, or faceshields if engineering controls or work practices are not adequate to prevent eye contact.

**Skin Protection:** Wear impervious protective clothing to prevent skin contact.

## **9. Physical and Chemical Properties**

**Flash Point:** Base oils 440°F (227°C) Cleveland Open Cup ASTM D-92

**Specific Gravity:** 0.99

**Upper Flammable Limit (UEL):** Not Determined

**Lower Flammable Limit (LEL):** Not Determined

**Vapor Pressure:** Not determined

**Vapor Density (air =1):** >1

**Percent Volatile:** Negligible

**Evaporation Rate:** Not Determined

**pH:** Not applicable

**Boiling Point:** >600°F (>300°C)

**Melting Point:** Not applicable

**Appearance:** White color

**Odor:** Mild petroleum odor

**Solubility in Water:** Insoluble

***The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise specified***

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**10. Stability and Reactivity**

**Stability:** This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Materials to Avoid:** Strong acids, bases and oxidizers

**Polymerization:** Not expected to occur during conditions of normal use.

**Thermal Decomposition:** Not determined

**Conditions to Avoid:** May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

**11. Toxicological Information:**

**Routes of Exposure:** Skin, eyes, ingestion and inhalation

**Target Organs:** Skin, eyes, upper respiratory tract

**Acute Exposure**

**Ingestion:** Ingestion may cause a laxative effect. This material can directly enter the lungs, if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death.

**Eye Contact:** Slight irritation and redness to eyes

**Skin Contact:** Contact with skin is not expected to cause prolonged or significant irritation

**Inhalation:** Contains a synthetic hydrocarbon base oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit.

**Dermal Sensitization:** Not expected to be a dermal sensitizer

**Inhalation Sensitization:** Not expected to be a inhalation sensitizer.

**Carcinogenicity:** This product does not contain any of the chemicals listed on the United States National Toxicology Program Annual Reports on Carcinogens, The International Agency for Cancer Research Monographs and United State's Occupational Safety and Health Administrations 29CFR 1910.10 Subpart Z List.

Ames Test: Negative

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### **11. Toxicological Information:**

#### **Additional Toxicological Information:**

##### **1-Decene Homopolymer, Hydrogenated CAS 68037-01-4**

**Acute Oral Toxicity:** LD50 / rat / > 5000 mg/kg / based on data for a similar material.

**Acute Dermal Toxicity:** LD50 / rat / > 2000 mg/kg

**Acute Inhalation Toxicity:** LC50 / not known / based on data for a similar material.

##### **Technical White Mineral Oils CAS 8042-47-5**

**Acute Oral Toxicity:** LD50 / rat / > 5000 mg/kg / based on data for a similar material.

**Acute Dermal Toxicity:** LD50 / rat / > 3000 mg/kg

**Acute Inhalation Toxicity:** LC50 / not known / based on data for a similar material.

##### **Zinc Oxide**

**Acute Oral Toxicity:** LD50 / rat / 8,437 mg/kg

**Acute Dermal Toxicity:** LD50 / rabbit / not irritating

**Acute Inhalation Toxicity:** LC50 / not determined

### **12. Environmental and Ecological Information**

#### **Ecotoxicity**

##### **1-Decene Homopolymer, Hydrogenated CAS 68037-01-4**

This material is not expected to be harmful to aquatic organisms.

- 96 hour(s) / LC50 / fathead minnow (*Pimephales promelas*) / >750 mg/l

- 48 hour(s) / EC50 / water flea (*Daphnia magna*) / 190 mg/l

- 96 hour(s) / LC50 / Rainbow trout (*Salmo gairdneri*) / >1000 mg/l

##### **Technical White Oils CAS 8042-47-5**

-96 hours/LC50/Fish, fresh water (*Lepomis macrochirus*)/ >10, 000 mg/

##### **Zinc Oxide CAS 1314-13-2**

- 72 hour(s)/EC50/*Selenastrum capricornutum*/ $<1$  mg/l

- 96 hour(s)/LC50/*Lepomis macrochirus*/ $>320$  ppm

#### **Environmental Fate**

**Biodegradation:** This material is not expected to be readily biodegradable

**Bioaccumulation:** Not established

**Water Class Hazard (Germany):** Water Hazard Class 2 according to appendix 4 of VwVwS

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### 13. Disposal Considerations

**Waste Handling and Disposal:** This product in its neat state when discarded or disposed of is not a hazardous waste according to United States Federal Regulations 40CFR 261.4 (b)(4). Dispose of product in accordance with all applicable Federal, State, Provincial and local laws and regulations. Under RCRA, it is the responsibility of the user of this product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Do not re-use empty containers

### 14. Transport Information

**US DOT Classification Non-Bulk:** Not regulated as a hazardous material or dangerous good for transportation.

**US DOT Classification Bulk:** Not regulated as a hazardous material or dangerous good for transportation.

**IMDG Classification:** Not regulated as a hazardous material or dangerous good for transportation.

**IATA/ICAO Classification:** Not regulated as a hazardous material or dangerous good for transportation.

**Canadian TDG:** Not regulated as a hazardous material or dangerous good for transportation.

### 15. Regulatory Information

#### Hazard Symbols



**GHS Symbol:**

**EU Symbol:**



**xi irritant**

**Health Hazards:** May be fatal if swallowed and enters airways.

#### US Regulations

**TSCA Inventory:** All of the components in this material are on the US TSCA Inventory or are exempt.

**State of California Proposition 65:** This product does not contain any of the chemical listed on the State of California's Proposition 65 List for chemicals classified as potential reproductive or cancer causing agents.

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**15. Regulatory Information continued**

**US EPA SARA Title III and CERCLA Listings and Reportable Quantities**

This product contains 1-5% Zinc Oxide CAS 1314-13-2 which is listed as zinc and zinc compounds on the US EPA's SARA Title III and CERCLA Lists.

**US EPA Section 311/313 Classifications**

None

**US EPA Section 313 Chemicals.**

This product contains 1-5% Zinc Oxide CAS 1314-13-2 which is listed as zinc and zinc compound

**US Tariff Heading Number:** 2710.19.3750

**Schedule B Number:** 2710.19.3750

**Canada:** All of the ingredients of this product are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substance List

**Canadian WHMIS Classifications and Symbols:**

This product is not considered to be a WHMIS hazard

**EEC:** All components are in compliance with the EC Seventh Amendment Directive 92/32/EEC

Relevant R phrases: R65 Harmful may cause lung damage if swallowed

**16. Other Information**

**For additional information call +1 314-865-4100 (outside the US and Canada) or 1-800-325-9962 inside the United States and Canada.**

Although the information and recommendations set forth herein (hereafter referred to as information) are presented in good faith and believed to be accurate and factual as of the date hereof, Schaeffer Mfg. Company makes no representation as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving the same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Schaeffer Mfg. Company be responsible for damages of any natures whatsoever resulting from the use or reliance upon information. **No representation or warranty, either expressed or implied, of merchantability or fitness for a particular purpose is made with respect to information of the product to which the information refers. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.**