



SAFETY DATA SHEET

195 SuperTac Food Grade Grease H1 NLGI 2

Section 1. Identification

GHS product identifier : 195 SuperTac Food Grade Grease H1 NLGI 2

Product type : Lubricating grease

Identified uses : Lubricating grease

Supplier's details : Schaeffer Mfg. Company
102 Barton Street
Saint Louis, Missouri 63104
Tel: 314-865-4100
Fax: 314-865-4107
Toll Free: 1-800-325-9962
E-Mail: safety@schaefferoil.com
Web: www.schaefferoil.com

Emergency Phone Number : +1 314 865-4105 (24-hour response number)
(with hours of operation)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : EYE IRRITATION – Category 2A
AQUATIC HAZARD (ACUTE) – Category 1
AQUATIC HAZARD (LONG-TERM) – Category 1

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : Causes serious eye irritation.
Very toxic to aquatic life with long lasting effects.

Precautionary statements

General : Keep out of reach of children.

Prevention : Wear eye or face protection. Avoid release to the environment. Do not get in eyes, on skin or on clothing. Wash hands thoroughly after handling.

Section 2. Hazards identification

- Response** : Collect spillage. Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get advice or attention.
- Storage** : Store in a dry place in a closed container.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Lubricating grease

Ingredient Name	%	CAS number
White mineral oil	>50 - <75	8042-47-5
Calcium carbonate	<10	471-34-1
Aluminum, benzoate hydrogenated tallow fatty acid iso-Pr alc. complexes	<10	68647-58-5
Zinc oxide	<5	1314.13-2
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	<3	68037-01-4

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

Ingestion	:	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Section 5. Fire-fighting measures

- Hazardous thermal decomposition products** : Decomposition products may include the following:
carbon dioxide
carbon monoxide
phosphorus oxides
metal oxide/oxides
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also information in "For non-emergency personnel."
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage. U.S.A. regulations may require reporting spills of this material that could reach any surface waters. Report spills to all applicable Federal, State, Provincial and local authorities and/or the United States National Response Center at (800) 424-8802 as appropriate or required.

Methods and materials for containment and clean up

- Small spill** : Move containers from spill area. Alternatively, or if water-insoluble, absorb with an inert dry material and place in appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
White mineral oil	OSHA PEL (United States, 5/2018). TWA: 5 mg/m ³ 8 hours. ACGIH TLV (United States, 1/2021). TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2020). TWA: 5 mg/m ³ 10 hours. Form: Mist STEL: 10 mg/m ³ 15 minutes. Form: Mist
Calcium carbonate	NIOSH REL (United States, 10/2020). TWA: 5 mg/m ³ 10 hours. Form: Respirable fraction TWA: 10 mg/m ³ 10 hours. Form: Total
Aluminum, benzoate hydrogenated tallow fatty acid iso-Pr alc. complexes	ACGIH TLV (United States). TWA: 10 mg/m ³ 8 hours. NIOSH REL (United States, 10/2020). TWA: 2 mg/m ³ , (as Al) 10 hours.
Zinc oxide	None applicable.
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	ACGIH TLV (United States). Inhalable Fraction: 5 mg/m ³ Form: Aerosol.

Section 8. Exposure controls and personal protection

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures : Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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

Skin protection

Hand protection : Use nitrile or oil resistant gloves.

Body protection : Personal protective clothing such as gloves, aprons, boots and complete facial protection should be selected based on the task being performed and the risks involved. Users should determine acceptable performance characteristics of protective clothing. Consider physical requirements and other substances present when selecting protective clothing.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.

Respiratory protection : If a risk assessment indicates that respiratory protection is required, use a properly fitted, air-purifying or supplied air respirator that complies with an approved standard. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state	: Solid. [Smooth texture.]
Color	: White.
Odor	: Mild petroleum.
pH	: Not available.
Boiling pint	: Not available.
Flash point	: Open cup: >150°C (>302°F) [Estimated]
Evaporation rate	: <1 (butyl acetate = 1)
Lower and upper explosive (flammable) limits	: Not applicable.

Section 9. Physical and chemical properties

Vapor pressure	: <0.0013 IPa (<0.01 mm Hg)
Relative vapor density	: >1 [Air = 1].
Relative density	: 1.04
Density lbs/gal	: 7.9 lb/gal
Density g/cm ³	: 0.946
Gravity, °API	: Estimated 5 @ 60°F
Solubility	: Insoluble in water.
Auto-ignition temperature	: Not applicable.
NLGI Grade	: 2

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous	: Under normal conditions or storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
White mineral oil	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Calcium carbonate	LD50 Oral	Rat	6450 mg/kg	-
Dec-1-ene, homopolymer, hydrogenated	LD50 Dermal	Rat	>2000 mg/kg	-
Dec-1-ene, oligomers, hydrogenated	LD50 Oral	Rat	>5000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Calcium carbonate	Skin – Moderate irritant	Rabbit	-	24 hours 500 mg	-
	Eyes – Mild irritant	Rabbit	-	-	-
Zinc oxide	Eyes—Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin—Mild irritant	Rabbit	-	24 hours 500 mg	-
Dec-1-ene, homopolymer, hydrogenated	Skin—Edema	Rabbit	0.7	4 hours 0.5 ml	7 days
Dec-1-ene, oligomers, hydrogenated	Eyes—Redness of the conjunctivae	Rabbit	1	24 hours 0.5 ml	72 hours

Section 11. Toxicological information

Sensitization

Product/ingredient name	Route of exposure	Species	Result
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	skin	Guinea pig	Not sensitizing

Mutagenicity

Product/ingredient name	Test	Experiment	Result
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	EU	Experiment: In vitro Subject: Bacteria	Negative
	EU	Experiment: In vivo Subject: Mammalian-Animal	Negative

Carcinogenicity

There is no data available.

Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	Negative	Negative	Negative	Rat	Oral: 1000 mg/kg	-

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

Name	Result
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Dermal contact.

Potential acute health effects

Eye contact : Causes serious eye irritation.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Section 11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
 pain or irritation
 watering
 redness
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects** : No specific data.
- Potential delayed effects** : No specific data.

Long term exposure

- Potential immediate effects** : No specific data.
- Potential delayed effects** : No specific data.

Potential chronic health effects

- General** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
195 SuperTac Food Grade Grease H1 NLGI 2	N/A	3199.4	N/A	N/A	N/A
White mineral oil	N/A	2500	N/A	N/A	N/A
Calcium carbonate	6450	N/A	N/A	N/A	N/A
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	N/A	2500	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
White mineral oil	LC50>2000 mg/l	Fish	96 hours
Calcium carbonate	Acute LC50>56000 ppm Fresh water Chronic NOEC 61 mg/g Fresh water	Fish— <i>Gambusia affinis</i> —Adult Fish— <i>Oncorhynchus mykiss</i> —Juvenile	96 hours 28 days
Zinc oxide	Acute IC50 1.85 mg/l Marine water Acute LC50 98 µg/l Fresh water Acute LC50 1.1 ppm Fresh water	Algae— <i>Skeletonema costatum</i> Daphnia— <i>Daphnia magna</i> —Neonate Fish— <i>Oncorhynchus mykiss</i>	96 hours 48 hours 96 hours
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	Acute EC50 1000 mg/l Fresh water Acute LC50>1000 mg/l Fresh water Chronic NOEL 125 mg/l Fresh water	Crustaceans— <i>Daphnia magna</i> Fish— <i>Oncorhynchus mykiss</i> —Juvenile Crustaceans— <i>Daphnia magna</i>	48 hours 96 hours 21 days

Persistence and degradability

There is no data available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
White mineral oil	>6	-	high
Zinc oxide	-	28960	high

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	UN3077	UN3077	UN3077
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc oxide), Marine pollutant, (Zinc oxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc oxide), Marine pollutant, (Zinc oxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc oxide), Marine pollutant, (Zinc oxide)
Transport hazard class(es)	  9	  9	  9
Packing group	III	III	III
Environmental hazards	Yes	Yes	Yes
Additional information	Non-bulk packages of this product are not regulated as hazardous materials unless transported by inland waterway. The marine pollutant mark is not required when transported on inland waterways in sizes of ≤5 L or ≤5 kg.	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

Special precautions for user

: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not available.

Section 15. Regulatory information

U.S. Federal regulation : **United States inventory (TSCA 8b):** Not determined.
Clean Water Act (CWA) 307: zinc oxide; zinc; lead powder; copper; nickel; arsenic; chromium

SARA 302/304

Composition/information on ingredients

SARA 304 RQ : Not applicable.

Section 15. Regulatory information

SARA 311/312

Classification : EYE IRRITATION – Category 2A

Composition/information on ingredients

Name	%	Classification
Calcium carbonate	<10	SKIN IRRITATION – Category 2 EYE IRRITATION – Category 2A
Zinc oxide	≤5	EYE IRRITATION – Category 2B
Dec-1-ene, homopolymer, hydrogenated	≤3	ASPIRATION HAZARD – Category 1
Dec-1-ene, oligomers, hydrogenated		

SARA 313

	Product name	CAS number	%
Form R – Reporting requirements	Zinc oxide	1314-13-2	<4
Supplier notification	Zinc oxide	1314-13-2	<4

State regulations

Massachusetts : The following components are listed: Zinc oxide fume
New York : None of the components are listed.
New Jersey : The following components are listed: Zinc oxide
Pennsylvania : The following components are listed: Zinc oxide fume

California Prop. 65

 **WARNING:** This product can expose you to chemicals including Silica, crystalline, which is known to the State of California to cause cancer, and Lead, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health: 1 **Flammability:** 1 **Physical hazards:** 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health: 1 **Flammability:** 1 **Instability:** 0

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Section 16. Other information

US Tariff Heading Number : 3402.13.0000
Schedule B Code : 3402.13.0000

History

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