

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Full Synthetic Heavy Duty Viscosity Improver (SSI-35)

Product Code: 209

Chemical Name: Synthetic Viscosity Improver

Chemical Family: Blend

Recommended Use: Not determined

Manufacturer: Scot Lubricants LLC

6 Horwith Drive
Northampton, PA 18067

Emergency Telephone Numbers: 484-619-1393

Information: 484-275-7990 8am-5pm EST M-F

2. HAZARD IDENTIFICATION

HAZARD CLASSIFICATION: NOT CLASSIFIED

LABEL ELEMENTS:

HAZARD SYMBOL: NO SYMBOL

SIGNAL WORD: NO SIGNAL WORD

HAZARD STATEMENT: NOT APPLICABLE

PRECAUTIONARY STATEMENT: NOT APPLICABLE

OTHER HAZARDS: NONE IDENTIFIED

3. COMPOSITION/INFORMATION ON INGREDIENTS

Wt. Percent	Component	Synonym	CAS#
80-90	Mineral Oil	Lubricating oil base stock	64742-65-0

4. FIRST AID MEASURES

INHALATION: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Someone should stay with victim. Get medical attention if breathing difficulty persists.

EYE CONTACT: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contacts.

SKIN CONTACT: Wash with soap and water until no odor remains. Get medical attention if irritation or pain develops or persists. Wash clothing before reuse.

INGESTION: Treat symptomatically. Get medical attention.

Most important symptoms/effects, acute and delayed: See section 11.

Indication of immediate medical attention and special treatment needed: Treat symptomatically.

5. FIRE FIGHTING MEASURES

GENERAL FIRE HAZARDS: No unusual fire or explosion hazards noted.

EXTINGUISHING MEDIA: Water spray, dry chemical, carbon dioxide (CO2), regular foam.

HAZARDOUS COMBUSTION PRODUCTS: Decomposition and combustion material may be toxic. Burning may product sulfur oxides, aldehydes, ketones, carbon monoxide and unidentified organic compounds.

DO NOT USE WATER JET as an extinguisher, as this will spread the fire. A solid stream of water will spread the burning material. See section 10 for additional information.

FIRE FIGHTING INSTRUCTIONS: Keep storage containers cool with water spray. A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS PPE EMERGENCY PROCEDURES: Personal Protective Equipment must be worn, see Personal Protection section for PPE recommendations.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN UP: Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.

7. HANDLING AND STORAGE

HANDLING: Keep away from sparks or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. This product has a low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating, this product, do not breathe vapor or mist. Use in a well-ventilated area. Avoid contact with eyes, skin clothing and shoes.

SHIPPING AND STORRING: Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut weld, braze, solder, drill or grind containers. Keep containers away from flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain residue and can be dangerous.

MAXIMUM HANDLING TEMPERATURE: 120°C 248°F

MAXIMUM STORAGE TEMPERATURE: 45°C 113°F

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

COMPONENT EXPOSURE LIMITS

Mineral Oil

ACGIH: 5mg/m³ TWA (sampled by method that does not collect vapor) (related to Oil mist, mineral)
10 mg/m³ STEL (sampled by method that does not collect vapor) (related to Oil mist, mineral)

NIOSH 10mg.m3 STEL

OSHA Final: 5mg/m³ PEL (related to Oil Mist, mineral)

ENGINEERING CONTROLS: No special requirements under ordinary conditions of use and with adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT —

GENERAL Use personal protective equipment as required.

EYE: Splash proof chemical goggles recommended to protect against splash of product.

RESPIRATORY: Use disposable dust/mist mask if the recommended exposure limit is exceeded. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respirator protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

SKIN: Where skin contact is likely, wear neoprene, nitrile or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended. When product is heated and skin contact is likely, wear heat-insulating gloves, boots and other protective clothing.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse. Discard leather articles, such as shoes, saturated with these products.

OTHER: Where spills and splashes are likely, facilities storing or using these products should be equipped with emergency eyewash and shower, both equipped with clean water, in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR: FLUID/MILD ODOR.
VAPOR PRESSURE: N/D) **BOILING RANGE:** N/D
MOLECULAR WEIGHT: N/D
INITIAL BOILD POINT: 501°F (260.56°C) (MINIMUM)
SOLUBILITY IN WATER: INSOLUABLE
EVAPORATION RATE: N/D
VAPOR DENSITY: N/D
RELATIVE DENSITY: 0.83 g/cm³ AT 60.1°F (15.6°C)
FLASHPOINT: 275°F (135°C) (PENSKY-MARTENS CLOSED CUP)

MELTING POINT: N/D
FREEZING/MELTING POINT: N/D
pH: N/D
OCTANOL/WATER COEFF: N.D.
ODOR THRESHOLD: N/D
FLAMABILITY: N/D

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.
INCOMPATIBLE MATERIALS: Water. Avoid oxidizing agents.
REACTIVITY: Polymerization is not known to occur under normal temperatures and pressures.
HAZARDOUS DECOMPOSITION: Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Skin, Eyes, Ingestion, and Inhalation. – No data available
Mineral Oil: All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test. This product contains mineral oils which are severely refined and not considered carcinogenic.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified.
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified.
US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) No carcinogenic components identified.
MUTAGENICITY: No data available.
REPRODUCTIVE TOXICITY: No data available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.
FISH: No data available.
AQUATIC INVERTEBRATES: **Mineral Oil** EC 50 (Water flea (Daphnia magna), 2d):>10,000 mg/l; EC50 (Water flea (Daphnia magna), 21 c):>10 mg/l; NOEC (Water flea (Daphnia magna), 21 d): 10 mg/l
AQUATIC PLANTS: No data available.
SOIL DWELING ORGANSIMS: No data available
TERRESTRIAL PLANTS: No data available.
ABOVE GROUND ORGANISMS: No data available.
MICRO-ORGANISMS (mineral oil EC 50 (sludge, 0.1 d): > 10,000 mg/l
PERSISTENCE/DEGRADABILITY – Not readily biodegradable.
BIOACCUMULATIVE POTENTIAL - No information available for this product.
MOBILITY IN ENVIRONMENT – No data available for this product.
OTHER ADVERSE EFFECTS – No data available.
OCTANOL/WATER PARTITION COEFFICIENT – No data available.
VOLATILE ORGANIC COMPOUNDS - Negligible
AQUATIC RELEASE - Advise authorities if product has entered or may enter watercourses or sewer drains.

13. DISPOSAL INFORMATION

DISPOSAL: Dispose in accordance with federal, state, provincial and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste.

CONTAMINATED PACKAGING: Container packaging may exhibit hazards.

14. TRANSPORTATION INFORMATION

DOT
PROPER SHIPPING NAME Petroleum Lubricating Oil – Not regulated as a hazardous material for Land Transport
HAZARD CLASS: Not regulated
ID NUMBER: Not regulated
LABEL REQUIRED: Not regulated
EMERGENCY RESPONSE GUIDE NUMBER: Not applicable. Reference North American Emergency Response Guidebook.
IATA: Not regulated

15. REGULATORY INFORMATION

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): None present or none present in regulated quantities.
Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard Categories: None known.
SARA 302 – Extremely Hazardous Substance
SARA 304 Emergency Release Notification
SARA 311/312 Hazardous Chemical
SARA 313 (TRI Reporting)
This product may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA).
US California Proposition 65 No ingredient regulated by CA Prop 65 present.

16. OTHER INFORMATION

HAZARD RATING

0= LEAST
1=SLIGHT
2=MODERATE
3=HIGH
4=EXTREME

NEPA 704 HAZARD IDENTIFICATION

HEALTH HAZARD (BLUE) 1
FIRE HAZARD (RED) 1
REACTIVITY (YELLOW) 0
SPECIFIC HAZARD (WHITE)

SCOT LUBRICANTS LLC
Full Synthetic Heavy Duty Viscosity Improver (SSI-35) CODE: 209

SAFETY DATA SHEET

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DATE ISSUED: September 21, 2015
SUPERSEDES:
REVISION NO.
REVISION INFORMATION: GHS Compliance
SDS #: CODE 209

SCOT LUBRICANTS LLC
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484-275-7990

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