

MATERIAL SAFETY DATA SHEET

Curtis/GlenChem Corp.

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Product: **GEAROL Syn (Series)
(100, 150, 220, 320, 460 & 680)**
MSDS No.: LSGO-xxx-xxx Date: 01/06
Replaces: None (New Sheet)
Updated Sections: None

-- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name:..... GEAROL Syn Series (ISO 68 – 680)
Chemical Name/Synonym:..... Synthetic oil & specialized additive package
Chemical Family:..... 1-decene homopolymer/olefin with additives
Formula:..... Proprietary
Product Code:..... LSGO-xxx

HMIS
Hazard Rating: Legend:
Health:..... 1 0 - Least
Fire:..... 0 1 - Slight
Reactivity:..... 0 2 - Moderate
Personal Protection:.... B 3 - High
4 - Severe

Product Description: 100% synthetic, polyalphaolefin based, heavy duty industrial gear oil

-- SECTION 02 - PHYSICAL DATA --

Boiling Point: N/D Solubility in Water: Negligible
Vapor Pressure: < 0.1 (mmHg) @ 20° C Specific Gravity: 0.84 – 0.86 ASTM D-1298
Vapor Density: > 2.0 (AIR=1) % Volatile by Volume: N/A
Appearance: Clear, golden liquid Odor: Strong sulfur odor
Viscosity: various cSt. @ 40°C (denoted in the name) Viscosity Index: 145

-- SECTION 03 - HAZARDOUS COMPONENTS --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
* None – This product is non-hazardous	N/A	N/A	N/A	N/A
Inert and/or non-hazardous components	-----	100	-----	-----

* Component hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) or one or more state Right-To-Know lists.

-- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Flash Point: 500-560°F (260-293°C) (ASTM D-92)
Extinguishing Media: Small Fire: Dry chemical, CO² foam; Large Fire: All-purpose-type foam. Use water to cool adjacent containers to prevent pressure build-up.
Special Fire Fighting Procedures: Use self-contained breathing apparatus; water may be used to cool adjacent containers.

-- SECTION 05 - REACTIVITY DATA --

Stability: Stable.
Incompatibility: Extreme Heat.
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide may form upon thermal degradation.
Hazardous Polymerization: Will not occur.

-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.
Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

-- SECTION 07 - HEALTH HAZARD DATA --

EYE CONTACT:..... Eye contact may cause slight irritation..
SKIN CONTACT: Prolonged contact may cause dryness and dry skin irritation.
INHALATION:..... Inhalation of vapors or mists may cause respiratory tract irritation.
INGESTION: No known or anticipated significant hazard.
EFFECTS OF OVEREXPOSURE:..... None currently known or anticipated hazards.
IARC and NTP NONE of the ingredients in this product are listed by the NTP, IARC, or OSHA as possible carcinogens.

-- SECTION 08 - FIRST AID --

EYES: Flush with water for a minimum of 15 minutes (industry safety standard for all materials). Seek medical attention if discomfort occurs.
SKIN:..... Flush with water; wash with soap and water after handling.
INHALATION:..... Remove to fresh air.
INGESTION: DO NOT INDUCE VOMITING - Seek medical attention if discomfort occurs. Never give anything by mouth to an unconscious person.

-- SECTION 09 - SPECIAL HANDLING INFORMATION --

VENTILATION:..... No external ventilation normally required under ordinary conditions of use.
RESPIRATORY PROTECTION:..... None normally required under ordinary conditions of use, and with adequate ventilation.
PROTECTIVE CLOTHING:..... Chemical impervious gloves; always use good industrial hygiene practices when handling.
EYE PROTECTION:..... None normally required; use tight fitting or chemical workers goggles if misting is anticipated.
EXPOSURE LIMITS No components have recognized exposure limits. Assume 5 mg/m³ for oil mist.

-- SECTION 10 - REGULATORY AND ADDITIONAL INFORMATION --

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or leave in contact with skin for prolonged periods. Wash contaminated clothing prior to re-use. Do not allow contact with oxidizers. Empty Containers: Do not reuse empty containers for storage of foodstuffs or potable water. For returnable drums or drums set aside for reconditioner, empty drums as completely as possible and fit bungs tightly with undamaged closures. D.O.T. regulations forbid transportation of partially filled and unclosed containers.

D.O.T.: Shipping Classification: Not Regulated - Ship as UNREGULATED Synthetic Lubricating Oil

TSCA - The ingredients in this material are listed on the TSCA Inventory.

SARA Title III Information (for components of this material): A) Sections 311/312 - None Listed; B) Section 313 – None Listed; C) Section 302 – None Listed as ‘Extremely Hazardous Substance.’

CERCLA Information (for the components) None Listed in Table 302.4 of 40 CFR Part 302 as a hazardous substance with NRC RQs

Acute LC/LC50: No occupational exposure standards have been established for this product, which is practically non-toxic.

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEL = Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA = Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.

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