



MATERIAL SAFETY DATA SHEET

MSDS # L2

ARCTIC FIRE COMPOUNDED GEAR OILS

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Compounded Gear Oils 460, 680, 1000

APPLICATIONS: Lubricant

PRODUCT CODES: 566-000, 567-000, 568-000

CAS REGISTRY #: NA

CHEMICAL FAMILY: NA

EMERGENCY PHONE: CHEMTREC – (800) 424-9300 or (703) 527-3887 (collect)

SUPPLIER: Sinclair Oil Corporation
P.O. Box 30825
Salt Lake City, Utah 84130

TELEPHONE / FAX: (888) 340-3466 / (801) 524-2740

2. COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENTS:	CAS#	Typical wt.%
Residual Oils, Petroleum Solvent De-asphalted	64741-95-3	10 - 30
Residual Oils, Petroleum Solvent Refined	64742-01-4	70 - 100

3. HAZARDS IDENTIFICATION

APPEARANCE: Amber Liquid

PHYSICAL STATE: Liquid

ODOR: Mild petroleum odor

EMERGENCY OVERVIEW: Avoid contact with used oil. Avoid prolonged breathing of vapor, mist, or gas. Clean oil-soaked clothing before use. Wash thoroughly after handling.

POTENTIAL HEALTH EFFECTS: Exposure to vapors generated at high temperature may cause respiratory irritation. Concentrate may cause irritation to eyes and skin.

INHALATION: Oil mist can irritate airways and lungs. Heating can generate vapors that may cause respiratory irritation, nausea and headaches. Inhalation hazard at room temperature is unlikely due to the low volatility of this product.

EYE CONTACT: Irritating may cause slight eye irritation. May cause very slight transient (temporary) corneal injury.

SKIN CONTACT: Slightly irritating. Repeated or prolonged contact can result in drying of the skin.

INGESTION: Can cause stomach-ache and vomiting. Main hazard, if ingested is, aspiration into the lungs and subsequent pneumonitis.

4. FIRST AID MEASURES

INHALATION: Remove from further exposure. If discomfort continues, seek medical assistance. Breathing difficulties may require administration of oxygen.

EYE CONTACT: Flush immediately with water for at least 15 minutes. Contact physician if irritation persists.

SKIN CONTACT: Discard contaminated clothing. Wash skin thoroughly with soap and water. Launder contaminated clothing before reuse. Contact physician if irritation persists.

INGESTION: **DO NOT INDUCE VOMITING.** Get medical assistance promptly. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F): 500°F (Cleveland open cup)

FLAMMABLE LIMITS: LEL – 0.9 UEL – 7.0

AUTOIGNITION TEMPERATURE: NA

FLAMMABILITY CLASSIFICATION: NA

GENERAL HAZARD: Pressure will increase in overheated, closed containers.

FIRE FIGHTING INSTRUCTIONS: Use alcohol resistant foam. Dry chemicals, sand, dolomite etc. or CO₂. Use water spray to keep fire-exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures. Caution should be exercised when using water or foam as frothing may occur.

FIRE FIGHTING EQUIPMENT: Self contained breathing equipment and chemical resistant clothing is recommended.

HAZARDOUS COMBUSTION PRODUCTS: Acid smoke / fumes. Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL: Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Dike and contain spill with inert material (sand, earth, fuller's earth, etc.) and transfer liquid and solid diking material to separate containers for recovery or disposal. Floor may be slippery use care to avoid fall. Keep spill out of all sewers and open bodies of water. Ensure conformity with applicable government regulations.

WATER SPILL: Treat spill as an oil spill. Report spills to appropriate authorities. Dispose of in accordance with Federal, State, and Local regulations.

7. HANDLING AND STORAGE

HANDLING / STORAGE: Do not reuse container. Keep lid closed when not in use. Keep away from heat, sparks, open flame. Ventilate well and avoid breathing vapors. Do not store or mix with strong acids or oxidizers. Avoid spilling, skin and eye contact. Eye wash station should be available in the area. Keep container closed when not in use.

8. EXPOSURE CONTROLS, RESPIRATORY & PERSONAL PROTECTION

ENGINEERING CONTROLS: No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable levels.

PERSONAL PROTECTION:

PROTECTIVE CLOTHING: Chemical resistant gloves are required for prolonged or repeated contact. Wear splash proof goggles to prevent any possibility of eye contact. Wear appropriate clothing to prevent repeated or prolonged contact with the skin.

RESPIRATOR: Wear appropriate respiratory protection against oil mist if permissible exposure levels are exceeded.

OCUPATIONAL EXPOSURE LIMITS

COMPONENT	LIMIT	TWA	STEL	CEILING	NOTATION	OTHER
Oil Mist	OSHA_PEL	5mg/M ³				
Oil Mist	ACGIH_TLV	5mg/M ³	10mg/M ³			

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Liquid

COLOR: Amber

DENSITY/SPECIFIC GRAVITY (g/ml): 0.90 @ 61°F

VAPOR DENSITY (air=1): >5

VAPOR PRESSURE: <1 mmHg @ 68°F

BOILING POINT/RANGE: NA

SOLUBILITY IN WATER: insoluble

VISCOSITY: N/A/F

pH : N/A

EVAPORATION RATE (Butyl Acetate=1): <1

10. STABILITY AND REACTIVITY

GENERAL: This product is stable

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: Avoid contact with strong acids and oxidizing agents

HAZARDOUS DECOMPOSITION: Carbon monoxide

11. TOXICOLOGICAL INFORMATION

No information available

12. DISPOSAL INFORMATION

Dispose of in accordance with Federal, State, and Local regulations.

13. TRANSPORT INFORMATION

DOT (Department of Transportation):

PROPER SHIPPING NAME: NA

HAZARD CLASS: NA

IDENTIFICATION NUMBER: NA

NAERG96 NUMBER: NA

14. REGULATORY INFORMATION

This Product or its components, if a mixture, is subject to the following regulations (Not meant to be all inclusive - selected regulations represented): TSCA: The ingredients of this product are on the TSCA inventory, SECTION 313: This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Pan 372.

The following components are subject to OSHA 29CFR1910.1200 Hazard Communication Standard:

Oil Mist

15. OTHER INFORMATION

NFPA 704/HMIS:

Health – 1 Flammability – 1 Reactivity – 0
(0 = insignificant, 1 = slight, 2 = moderate, 3 = high, 4 = extreme)

REVISION SUMMARY:

Complete review of MSDS, December 2005.

THIS PRODUCT MATERIAL SAFETY DATA SHEET PROVIDES HEALTH AND SAFETY INFORMATION. THE PRODUCT SHOULD BE USED IN APPLICATIONS CONSISTENT WITH THIS PRODUCT LITERATURE. FOR ANY OTHER USES, EXPOSURES SHOULD BE EVALUATED SO THAT APPROPRIATE HANDLING PRACTICES AND TRAINING PROGRAMS CAN BE ESTABLISHED TO ENSURE SAFE WORKPLACE OPERATIONS.

THIS MATERIAL SAFETY DATA SHEET IS PROVIDED IN GOOD FAITH AND MEETS THE REQUIREMENTS OF THE HAZARDOUS COMMUNICATION PROVISIONS OF SARA TITLE III AND 29CFR1910.1200(g) OF THE OSHA REGULATIONS. THE ABOVE INFORMATION IS BASED ON REVIEW OF AVAILABLE INFORMATION SINCLAIR BELIEVES IS RELIABLE AND IS SUPPLIED FOR INFORMATIONAL PURPOSES ONLY. SINCLAIR DOES NOT GUARANTEE ITS COMPLETENESS OR ACCURACY. SINCE CONDITIONS OF USE ARE OUTSIDE THE CONTROL OF SINCLAIR, SINCLAIR DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, AND ANY LIABILITY FOR DAMAGE OR INJURY WHICH RESULTS FROM THE USE OF THE ABOVE DATA. NOTHING HEREIN IS INTENDED TO PERMIT INFRINGEMENT OF VALID PATENTS AND LICENSES.

DATE: December 2005