

GC Electronics
 1801 Morgan Street
 Rockford, IL 61102
 Phone: (815) 968-9661
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 www.gcelectronics.com

Product Name: Anti Oxidant Grease 1 oz. Tube
 MSDS Number: 280
 Revision Date: 5/06/09
 Supersedes Date: 1/28/04

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type:	Lubricant	Emergency Contact:	Chemtrec
Product Name:	Anti Oxidant Grease 1 oz. tube	Phone (24 hours):	(800) 424-9300
Part Number(s):	19-826		

Section 1 - Identification of Product

HMIS RATINGS

Health	1	Least	0
Flammability	1	Slight	1
Reactivity	0	Moderate	2
Personal Protection	A	High	3
		Extreme	4
Product Category: Petroleum		Gloves, Safety Glasses	B
Hydrocarbon, Lubricating Cream			

Section 2 - Hazardous Ingredients

Components	CAS Number
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7
Or	
Distillates (petroleum), solvent dewaxed heavy paraffinic	64742-65-0
Zinc powder	7440-66-6
Octadecanoic acid, 12-hydroxy, monolithium salt	7620-77-1
Graphite	7782-42-5
Non-hazardous proprietary additives	Mixture
Exposure Limit for Total Product	Basis
5 mg/m ³ TWA as oil mist	OSHA 29 CFR 19.10.1000
Reported as Potential Carcinogen or Known Carcinogen:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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Section 3 - Physical Data

Boiling Range: IBP >500°F
Vapor Density: Heavier than air Lighter than air
Evaporation Rate: Faster than ether Slower than ether
Percent Volatile: Nil Weight per gallon (lbs.) 8.5
Water Solubility: Nil
Appearance: Gray, smooth grease
Odor: Bland

Section 4 - Fire & Explosion Hazard Data

Flammability Classification: OSHA: Combustible Liquid-Class IIIB
Flash Point 475 deg. F. COC
DOT: Not regulated.

Extinguishing Media: Foam CO₂ Dry Chemical Water Fog Other

Flammable or Explosive Limits
(Approximate percent by volume in air): Estimate based on lubricating oil
Lower Limit 0.9% Upper Limit 7.0%

Unusual Fire and Explosion Hazards: None

Special Fire Fighting Procedures: Water spray may be used to keep fire exposed containers cool. Minimize breathing of gases, vapors, fumes, or decomposition products. Use supplied air breathing equipment for enclosed or confined spaces or as otherwise needed.

Decomposition Products under Fire Conditions: Smoke, carbon monoxide, carbon dioxide, oxides of zinc, phosphorous oxides, sulfur oxides, metal oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

Empty Container Warning: "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Section 5 - Health Hazard Data

Emergency Overview: Appearance: Smooth gray grease Odor: Bland

Primary Routes of Entry: Dermal Inhalation Ingestion

Effects of Overexposure
Variability Among Individuals: Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

Signs and Symptoms of Exposure:
Nature of Hazard:

Skin: Prolonged or repeated skin contact with this product tends to remove skin oils possibly leading to irritation and/or dermatitis. However, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

Eyes: Product contacting the eyes may cause eye irritation.

Ingestion: Do not ingest. Minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

Inhalation: Vapors or mist, in excess of permissible concentrations may cause irritation of the nose and throat, headache, nausea, and drowsiness.

Medical Conditions Aggravated by Exposure: Prolonged or repeated skin contact may aggravate an existing dermatitis.

Emergency and First Aid Procedures

Eyes: Flush eyes with water for at least 15 minutes. If irritation occurs, call a physician.

Skin: Remove contaminated clothing and shoes, launder before reuse. Wash thoroughly with soap and water. If irritation occurs, seek medical attention.

Inhalation: Vapor pressure is very low. Vapor inhalation under ambient conditions not anticipated to be a problem. If overcome or affected, remove victim from exposure. Use artificial respiration if not breathing. Get prompt medical attention.

Ingestion: Do not induce vomiting. Keep at rest. Get prompt medical attention.

Section 6 - Reactivity Data

Stability: This product is stable and will not react violently with water.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite..

Section 7 - Spill or Leak Procedures

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In Case of Leak or Spill: Recover free product. Absorb with sand, earth, or other suitable absorbent. Minimize skin contact. Advise authorities if product has entered or may enter sewers, waterways or extensive land areas.

Waste Disposal Method: Material collected or absorbed may be incinerated or deposited in an approved landfill site in accordance with local, state and federal regulations. Advise authorities if product has entered or may enter sewers, waterways or extensive land area.

Section 8 - Special Protection Information

Respiratory Protection: None required in normal use. Use supplied air respiratory protection in confined or enclosed spaces if needed.

Ventilation: Mechanical exhaust if mist or spray is generated to prevent exceeding recommended exposure levels.

Protective Gloves: Neoprene or nitrile rubber gloves recommended, in case of prolonged or repeated contact. In cases of limited exposure, use of a barrier cream is suggested.

Eye Protection: Safety goggles or glasses when eye contact may occur.

Other Protection: Long sleeved shirts and/or aprons are recommended to avoid prolonged or excessive contact.

Hygienic Practices: Cleanse skin thoroughly after contact, before breaks and meals and at the end of work period. Product can be removed from skin with waterless hand cleaners followed by washing with soap and water. Remove contaminated clothing and laundry before reuse. Discard oil soaked shoes or other leather goods. Wash hands with soap and water after handling product. Remove contaminated clothing and laundry before reuse.

Section 9 – Special Precautions

Precautions to be taken in handling: Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized. OSHA Combustible Liquid Class IIIB. Water contamination should be avoided.

Storage: Keep containers closed when not in use. Do not handle or store near excess heat, sparks, or open flames.

Other Precautions: Empty containers retain residue. (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR**

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EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Section 10 - Regulatory Information

DOT:	Not Regulated
OSHA:	Combustible Liquid Class IIIB
SARA Title III	
Section 302/304 Extremely Hazardous Substances:	No TPQ for product or any component greater than 1% or 0.1% (carcinogen).
Section 311/312 Hazard Categorization	Acute Chronic Fire Pressure Reactive Not Applicable
Section 313 Toxic Chemical Release Reporting	Zinc Dust CAS # 7440-66-6 <20% ACGIH TLV 10 mg/m ³ – not applicable to finished product
CERCLA 102(a)	
DOT Hazardous Substances	No RQ for product or any component greater than 1% or 0.1% (carcinogen)
TSCA Inventory Status	All components of this product are listed on the U.S> TSCA Inventory.

Disclaimer

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