

SINOPEC
Extreme Pressure Lithium Grease
NLGI 00

Material Safety Data Sheet

Not classified as hazardous

1. PRODUCT IDENTIFICATION

Product Name	SINOPEC Extreme Pressure Lithium Grease NLGI 00 Suitable for lubricating bearings and gears of high load mechanical equipment which work on temperatures of -30°C to 120°C. And it can be used in centralized lubrication systems.
Recommended Use	
Manufacturer	Sinopec Lubricant Company 800-810-9886

2. COMPOSITION

Chemical Name	CAS Registry No.	Concentration %
Thickner	Proprietary Mixture	5-20%
Additive	Proprietary Mixture	<8%
Base Oil	Proprietary Mixture	75-88%

3. HAZARDS INFORMATION

Hazard Classification	Not classified as hazardous The International Agency for Research on Cancer (IARC) has determined there is sufficient evidence for carcinogenicity in experimental animals of used oil. Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation.
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4. FIRST AID MEASURES

Eye	Flush with water for 15 minutes. If irritation occurs, get medical attention.
Skin	Flush skin with water, and then wash with soap and water. If irritation or pain persists or there is visible tissue damage, get medical attention. If material is injected under the skin, seek medical attention immediately.
Inhalation	Remove victim to fresh air and provide oxygen. Get medical attention
Ingestion	Do not induce vomiting unless recommended by physician. Get medical attention.
Note to Physician	Cure according to symptoms.

5. FIRE FIGHTING MEASURES

NFPA Classification	Class IIIB
Extinguishing Media	Use carbon dioxide, dry chemical or foam. Under fire conditions, this product may emit toxic and/or irritating fumes including nitrogen oxides, carbon oxides, sulfur oxides and inorganic and organic compound.
Hazards from Combustion	
Product Specific Hazards	Combustible liquid. This product will readily burn under fire conditions. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to prevent exposure to vapor or fumes.
Protection of Firefighter	
Extinguishing Method	Spray

Hazardous Combustion Products	Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.
Forbidden Media	Water

6. ACCIDENTAL RELEASE MEASURES

Protective Measures	Take care of your own safety before attempting any cleanup. Wear appropriate protective equipment when cleaning up spills.
Spill Management	Comply with all local laws and regulations
	Contain spill and remove with vacuum truck or pump to storage/salvage vessels. In outdoor environments, seek professional cleanup advice.
FOR LARGE SPILLS:	
	Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.
FOR SMALL SPILLS:	

7. HANDLING AND STORAGE

Storage	Do not store in open or unlabeled containers. Store in cool, dry place with adequate ventilation. Keep away from open flame, sparks and high temperature.
	Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat or flame. Empty containers may contain residues that could ignite under force and severe conditions.
Empty Container Warning	

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls	Provide adequate ventilation to control airborne concentrations below the exposure guidelines/limits.
	If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH-approved organic vapor respirator with a dust/mist prefilter, in accordance with OSHA requirements (29 CFR 1910.134) must be worn.
Respiratory Protection	
Eye Protection	Chemical goggles or safety glasses with side shields.
Hand Protection	Use protective gloves that are chemically resistant to material.
Personal Protection	Use protective clothing and shoes which are chemically resistant to this material.
Note to Sanitation	Wash hands and exposed areas with soap and water before eating, drinking, smoking, using the facilities or after contact with product.

Occupational Exposure Guidelines

Substance	Acceptable Workplace Exposure Levels	
Oil Mist, Mineral	ACGIH (United States)	TWA: 5mg/m ³ 8 hour(s) STEEL: 10mg/m ³ 15 minute(s)
	OSHA (United States)	TWA: 5mg/m ³ 8 hour(s)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Smooth buttery liquid	Melting Point	No data available
Color	Light yellow to brown	Boiling Point	No data available
Odor	No peculiar smell	Solubility in Water	Negligible
		Vapor Pressure	No data available
		Flash Point	No data available
		Dropping Point	173°C
		Cone Penetration	414 ~ 440

SINOPEC
Super Grease
NLGI 2
Material Safety Data Sheet

Not classified as hazardous

1. PRODUCT IDENTIFICATION

Product Name	SINOPEC Super Grease NLGI 2
Recommended Use	Suitable for lubricating bearings and gears of high load mechanical equipment which work on temperatures of -20°C to 180°C. And it can be used in centralized lubrication systems.
Manufacturer	Sinopec Lubricant Company 800-810-9886

2. COMPOSITION

Chemical Name	CAS Registry No.	Concentration %
Thickner	Proprietary Mixture	50-70%
Additive	Proprietary Mixture	<10%
Base Oil	Proprietary Mixture	30-50%

3. HAZARDS INFORMATION

Hazard Classification	Not classified as hazardous The International Agency for Research on Cancer (IARC) has determined there is sufficient evidence for carcinogenicity in experimental animals of used oil. Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation.
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4. FIRST AID MEASURES

Eye	Flush with water for 15 minutes. If irritation occurs, get medical attention.
Skin	Flush skin with water, and then wash with soap and water. If irritation or pain persists or there is visible tissue damage, get medical attention. If material is injected under the skin, seek medical attention immediately.
Inhalation	Remove victim to fresh air and provide oxygen. Get medical attention
Ingestion	Do not induce vomiting unless recommended by physician. Get medical attention.
Note to Physician	Cure according to symptoms.

5. FIRE FIGHTING MEASURES

NFPA Classification	Class IIIB
Extinguishing Media	Use carbon dioxide, dry chemical or foam. Under fire conditions, this product may emit toxic and/or irritating fumes including nitrogen oxides, carbon oxides, sulfur oxides and inorganic and organic compound.
Hazards from Combustion	
Product Specific Hazards	Combustible liquid. This product will readily burn under fire conditions. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to prevent exposure to vapor or fumes.
Protection of Firefighter	
Extinguishing Method	Spray