

## 【Material Safety Data Sheet】

### SECTION 1 PRODUCT

Product Name	Sinopec Extreme Pressure Lithium Grease NLGI 2
Product Code	60090164
Product Usage	Suitable for lubricating bearings and gears of high load mechanical equipment which work on temperatures of -20°C to 120°C. And it can also be used for centralized lubrication system.

### SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

This material is a mixture.

COMPONENTS	CAS NUMBER	AMOUNT
Twelve-hydroxy lithium stearate	7620-77-1	5-20% weight
Sulfurized isobutylene	68511-50-2	<2% weight
Base oil	Mixture	75-88% weight

### SECTION 3 HAZARDS IDENTIFICATION

Potential health effects	The International Agency for Research on Cancer (IARC) has determined there is sufficient evidence for the carcinogenicity in experimental animals of used the oil. Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eyes, skin or respiratory irritation.
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### SECTION 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. Get medical attention.
Inhalation	Remove victim to fresh air and provide oxygen. Get medical attention.
Ingestion	Do not induce vomiting. Get medical attention.
Note to Physician	Cure according to symptom.

### SECTION 5 FIRE FIGHTING MEASURES

Extinguishing media	Carbon dioxide, foam, dry chemical and water fog.
Extinguishing Method	Spray
Combustion products	Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.
Forbidden media	Water

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Protective Measures	Wear appropriate personal protective equipment when cleaning up spills. FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.
Spill Management	FOR SMALL 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.

**SECTION 7 HANDLING AND STORAGE**

Storage	Do not store in open or unlabeled containers. Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures. Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT
Empty container warning	PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure controls	Provide adequate ventilation to control airborne concentrations below the exposure guidelines/limits.
Respiratory Protection	If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn.
Eye Protection	Chemical Goggles, or Safety glasses with side shields.
Hand Protection	Use protective gloves which is chemically resistant to this material.
Personal protection	Use protective clothing and shoes which are chemically resistant to this material.
Note to sanitation	Wash hands with water and use cosmetic to protect.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Light yellow to brown smooth buttery
<b>Odor</b>	No peculiar smell
<b>Worked</b>	NO.2
<b>Cone Penetration,0.1mm</b>	265~295
<b>Dropping Point, °C</b>	≥175

**SECTION 10 STABILITY AND REACTIVITY**

Stability	Stable (at room temperature)
Conditions and materials to avoid	Extreme heat and high energy sources of ignition and strong oxidizers.
Hazardous decomposition product	Product does not decompose at ambient temperatures.
Hazardous polymerization	Will not occur.

**SECTION 11 TOXICOLOGICAL INFORMATION**

Acute Toxicity	ORAL TOXICITY (RATS): Practically low toxic (LD50: greater than 5000mg/kgBW). — Based on testing of similar products and/or the components. INHALATION TOXICITY (RATS): Practically low toxic (LC50: greater than 10000mg/m3). —Based on testing of similar products and/or the components.
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**SECTION 12 ECOLOGICAL INFORMATION**

Ecological toxicity	Though long time infiltration, it may produce ecological toxicity.
Mobility	When released into the environment, adsorption to sediment and soil will be the predominant behavior.
Persistence and degradability	This product is expected to be inherently biodegradable.
Bioaccumulative potential	Bioaccumulation is unlikely due to the very low water solubility of this product; therefore bioavailability to aquatic organisms is minimal.

**SECTION 13 DISPOSAL CONSIDERATIONS**

Waste disposal	Product is suitable for burning in an enclosed, controlled burner for fuel value. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility.
Note to release	Use protection things, including protection gloves, glasses and respirator, because explosion may happen heating in the container.

**SECTION 14 TRANSPORT INFORMATION**

Transport	The transport department work abiding by all the law, rule and regulations.
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**SECTION 15 REGULATORY INFORMATION**

National regulation	Solid waste pollution prevention and cure law of The People's Republic of China.
State Regulation	Water pollution standard of local government.

**SECTION 16 OTHER INFORMATION**

Other data	Get information and manual from the market department or technology department.
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The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.