# [ Material Safety Data Sheet– $\mathrm{MSDS}$ ]

1) PRODUCT AND COMPANY	IDENTIFICATION		
Product name	Biogas engine oil		
Common characters	liquid can be dissolved in oil		
	Biogas engine oil be used in the equipm	ment for lubricating, cooling	
Use	and airproofing etc.		
Producer	LUBRICANT COMPANY, SINOPEC CORP.	Service tel. 800-810-9886	
Supplier	LUBRICANT COMPANY, SINOPEC CORP.	Hot line 400-810-9886	
Website	www.sinolube.com		
Compile Date	2011-03-18		
2) COMPOSITION/INFORMAT	ION ON INGREDIENTS		
Chemical name	Ingredients	Content, Wt%	
additive	mixture	<20	
Base oil	mixture	80-100	
3) HAZARDS IDENTIFICATION			
	The International Agency for Research on	Cancer (IARC) has determined	
	there is no sufficient evidence for the o	carcinogenicity in	
Potential health effects	experimental animals of used the oil. Uno	der normal conditions of	
6116613	intended use, this product does not pose	a risk to health. Excessive	
	exposure may result in eyes, skin or resp	piratory irritation.	
4) FIRST AID MEASURES			
Eye	Flush with water for 15 minutes. If irritation occurs, get medical		
Буе	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		
5) FIRE FIGHTING MEASURE			
Extinguishing media	Carbon dioxide, foam, dry chemical and water fog.		
Extinguishing Method	spray		
Combustion products	Fumes, smoke, carbon monoxide, sulfur ox	ides, aldehydes and other	
	decomposition products, in the case of incomplete combustion.		
Forbidden media	water		
6) ACCIDENTAL RELEASE MEASURES			
Protective Measures	Wear appropriate personal protective equi	ipment when cleaning up	
	spills.		

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Spill Management	FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels. 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.	
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 container waining	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.	
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 an use cosmetic to protect	
9) PHYSICAL AND CHEMICAL F	PROPERTIES	
Appearance	Brown and transparent liquid Odor No peculiar smell	
Flash point (COC) °C (ASTM D92,ISO 2592)	>200	
10) REACTIVITY AND STABII	LITY	
Stability	Stable (at room temperature)	
Conditions and materials to avoid Hazardous	Extreme heat and high energy sources of ignition and strong oxidizers	
decomposition product Hazardous	Product does not decompose at ambient temperatures.	
polymerization	Will not occur.	
11) TOXICOLOGICAL INFORMA	ATION	
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	

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10000mg/m3). — -Based on testing of similar products and/or the components.

## 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.	
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

### 14) TRANSPORT INFORMATION

Transport The transport department work abiding by all the law ,rule and regulations

### 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
16) OTHER INFORMATION	
Other data	Get information and manual from the market department or technology
	department