Design Report of Safety Data Sheet (SDS)

Sample Name: RE 00# (PXM-207 lubricating grease）

Type/Model: /

Entrust Unit: DONGGUAN SHUOPU PETROCHEMICAL CO., LTD

Audited by: DAVE

Edited by: NICOK

（Stamp）

Unit: Guangfen Testing Institute (Guangzhou) Quality Inspection Co., Ltd.（GFQT）

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SAFETY DATA SHEET

RE 00# (PXM-207 lubricating grease)

***According to GHS (Tenth Revised Edition)**

SDS

Section 1 Identification of the chemical and supplier

◆ **Product identifier**	
Product Name	RE 00# (PXM-207 lubricating grease)
Product Model	-
CAS No.	-
EC No.	-
Molecular Formula	-
◆ **Relevant identified uses of the substance or mixture and uses advised against**	
Relevant identified uses	Please consult the manufacturer.
Uses advised against	Please consult the manufacturer.
◆ **Details of the supplier of the Safety Data Sheet**	
Applicant Name	Dongguan Shuopu Petrochemical Co., Ltd
Applicant Address	No. 601A, 6th Floor, Caijin Business Building, Sanyuanli Community, Nancheng District, Dongguan City
Applicant Telephone	+86-159-89902058
Applicant Fax	-
Applicant E-mail	sp@shuopuoil.cn
Supplier Name	-
Supplier Address	-
Supplier Telephone	-
Supplier Fax	-
Supplier E-mail	-
◆ **Emergency phone number**	
Emergency phone number	+86-159-89902058

Section 2 Hazards identification

◆ **Hazard classification according to GHS**	
Hazard classification according to GHS	Not Applicable
◆ **GHS Label elements**	
Hazard pictograms	Not Applicable

Signal word	Not Applicable

◆ **Hazard statements**

Hazard statements	Not Applicable

◆ **Precautionary statements**

▲ **Prevention**

Prevention	Not Applicable

▲ **Response**

Response	Not Applicable

▲ **Storage**

Storage	Not Applicable

▲ **Disposal**

Disposal	Not Applicable

◆ **Hazard description**

▲ **Physical and chemical hazards**

Physical and chemical hazards	Grease, fire can produce toxic smoke.

▲ **Health hazards**

Inhaled	Inhalation of the product may produce adverse health effects or irritation of the respiratory tract following discomfort.
Ingestion	Accidental ingestion of this product may be harmful.
Skin Contact	Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects.
Eye	This product may cause temporary discomfort following direct contact with the eye.

▲ **Environmental hazards**

Environmental hazards	Please refer to 12th chapter of SDS.

Section 3 Composition/information on ingredients

◆ **Substance/mixture**

	☐Substance	☑mixture	
Component	**Cas No.**	**EC No.**	**Concentration (weight percent, %)**
Base oil	8001-79-4	232-293-8	40-60
Lithium complex soap	7620-77-1	231-536-5	10-20
Hydroxystearic acid	1330-70-7	215-545-1	10-15

other additives	N/A	N/A	0-5

Section 4 First aid measures

◆ **Description of first aid measures**

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes.If you feel unwell, see a doctor.
Skin contact	Remove contaminated clothing immediately.Rinse skin with plenty of soapy water and water.If you feel unwell, see a doctor.
Ingestion	Do not induce vomiting,Never feed anything from the mouth to an unconscious person.Call your doctor or poison control center immediately.
Inhalation	Move the patient to fresh air immediately and keep breathing unobstructed.If breathing is difficult, give oxygen.If the patient ingests or inhales this substance, mouth-to-mouth artificial respiration is not allowed.If breathing stops. Cardiopulmonary resuscitation was performed immediately. See a doctor immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

◆ **Most important symptoms/effects, acute and delayed**

1	Exposure may have cumulative effects.

◆ **Indication of any immediate medical attention and special treatment needed**

1	Treat symptomatically.
2	Symptoms may be delayed.

Section 5 Firefighting measures

◆ **Extinguishing media**

Suitable extinguishing media	Sprinkler or spray, foam extinguisher, carbon dioxide extinguisher, dry powder extinguisher. Sand is only suitable for small fires.
Unsuitable extinguishing media	Avoid direct water spray and use water jets to cool surfaces exposed to fire.

◆ **Specific hazards arising from the substance or mixture**

1	When heated, the container may explode.
2	Heat or contact with flame may cause expansion or explosive decomposition.
3	There is a slight risk of fire when exposed to heat or flame.

◆ **Special protective equipment and precautions for fire-fighters**

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

	Section 6 Accidental release measures
◆	**Personal precautions, protective equipment and emergency procedures**
1	Ensure adequate ventilation. Remove all ignition sources.
2	Quickly evacuate personnel to a safe area, away from the leakage area and in the upwind direction.
3	Use personal protective equipment. Avoid inhaling vapor, smoke, gas or wind dust.
◆	**Environmental precautions**
1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.
◆	**Methods and materials for containment and cleaning up**
1	In case of a small amount of leakage, dry sand or inert absorbent materials can be used to absorb the leakage，When a large amount of leakage occurs, it needs to build a dike to control it.
2	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
3	Remove all ignition sources and use fire-proof tools and anti riot equipment.
	Section 7 Handling and storage
◆	**Precautions for safe handling**
1	Operate in a well ventilated area.
2	Wear suitable personal protective equipment.
3	Avoid contact with skin and eyes.
4	Keep away from heat sources, sparks, open flames and hot surfaces.
◆	**Conditions for safe storage, including any incompatibilities**
1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.
	Section 8 Exposure controls/personal protection
◆	**Control parameters**
▲	**Occupational Exposure limit values**
	No information available
▲	**Biological limit values**
	No information available
▲	**Monitoring methods**

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air（Series standard）
▲	**Engineering controls**
1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Set up emergency exit and necessary risk-elimination area.
4	Handle in accordance with good industrial hygiene and safety practice.
▲	**Personal protection equipment**
General requirement	
Eye protection	Must wear appropriate safety goggles.
Hand protection	Must wear appropriate chemical protective gloves.
Respiratory protection	Must wear appropriate personal respiratory protective equipment.
Skin and body protection	Must wear appropriate Work clothes and shoes.

第九部分 理化特性
Section 9 Physical and chemical properties

◆	**Physical and chemical properties**
Appearance	Brown grease
Odor	Weak odor
pH	No information available\Not applicable.
Melting point/freezing point(℃)	No information available\Not applicable.
Initial boiling point and boiling range(℃)	No information available\Not applicable.
Flash point(Closed cup,℃)	No information available\Not applicable.
Evaporation rate	No information available\Not applicable.
Flammability	No information available\Not applicable.
Upper/lower explosive limits[%(v/v)]	No information available\Not applicable.
Vapor pressure(KPa)	No information available\Not applicable.
Vapor density(Air = 1)	No information available\Not applicable.
Relative density(Water=1)	No information available\Not applicable.
Solubility(mg/L)	No information available\Not applicable.
n-octanol/water partition coefficient	No information available\Not applicable.

Auto-ignition temperature(℃)	No information available\Not applicable.
Decomposition temperature(℃)	No information available\Not applicable.
Viscosity(mm2/s)	No information available\Not applicable.
Particle characteristics	No information available\Not applicable.
Explosive properties	No information available\Not applicable.
Oxidizing properties	No information available\Not applicable.

Section 10 Stability and reactivity

◆ **Stability and reactivity**

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	Contact with strong oxidant.
Conditions to avoid	Extreme temperature, sun exposure, contact with strong oxidant and fire source.
Incompatible materials	Strong acid, strong base, strong oxidant.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 Toxicological information

◆ **Acute toxicity**

Component	LD_{50}(oral)	LD_{50}(dermal)	LC_{50}(inhalation,4h)
All components of this product	No information available	No information available	No information available

◆ **Carcinogenicity**

Component	IARC	NTP
Base oil	Not Listed	Not Listed
Lithium complex soap	Not Listed	Not Listed
Hydroxystearic acid	Not Listed	Not Listed
other additives	Not Listed	Not Listed

◆ **Others**

Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met

Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductivetoxicity(additional)	Based on available data, the classification criteria are not met

Section 12 Ecological information

◆ **Acute aquatic toxicity**

No information available

◆ **Chronic aquatic toxicity**

No information available

◆ **Persistence and degradability**

No information available

◆ **Bioaccumulative potential**

No information available

◆ **Mobility in soil**

No information available

◆ **Results of PBT and vPvB assessment**

Component	Results of PBT and vPvB assessment (according to (EC) No 1907/2006)
Base oil	not PBT/vPvB
Lithium complex soap	not PBT/vPvB
Hydroxystearic acid	not PBT/vPvB
other additives	not PBT/vPvB

Section 13 Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Contact a qualified professional waste disposal service to dispose of this material.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

Section 14 Transport information

◆ **Label and Mark**

Transporting Label	Not applicable

◆	IMDG-CODE	
	IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
◆	**CAO/IATA-DG**	
	CAO/IATA-DG	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
◆	**UN-ADR**	
	UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Section 15 Regulatory information

International list of chemicals

Component	EC Inventory	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Base oil	√	√	√	√	√	√	√	√	×
Lithium complex soap	√	√	√	√	√	√	√	√	√
Hydroxystearic acid	√	√	√	√	√	×	√	√	√
other additives	×	×	×	×	×	×	×	×	×

【EC inventory】European Inventory of Existing Commercial Chemical Substances
【TSCA】United States Toxic Substances Control Act Inventory
【DSL】Canadian Domestic Substances List
【IECSC】China Inventory of Existing Chemical Substances
【NZIoC】New Zealand Inventory of Chemicals
【PICCS】Philippines Inventory of Chemicals and Chemical Substances
【KECI】Existing and Evaluated Chemical Substances
【AICS】Australia Inventory of Chemical Substances
【ENCS】Japan Inventory of Existing & New Chemical Substances

Note :
"√" Indicates that the substance included in the regulations
"×" That no data or included in the regulations

Section 16 Additional Information

◆	Information on revision	
	Creation Date	2024/03/28
	Revision Date	2024/03/29 (Explanation:The report is valid for one year)
	Reason for revision	-
◆	**References**	

【1】IPCS:The International Chemical Safety Cards (ICSC) ,website: http://www.ilo.org/dyn/icsc/showcard.home.
【2】IARC，website: http://www.iarc.fr/.
【3】OECD: The Global Portal to Information on Chemical Substances, website:

http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en。

【4】CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple.

【5】NLM:ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp.

【6】EPA: Integrated Risk Information System, website: http://cfpub.epa.gov/iris/.

【7】U.S. Department of Transportation:ERG, website: http://www.phmsa.dot.gov/hazmat/library/erg.

【8】Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de/.

◆ Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG	International Maritime Dangerous Goods
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	ICAO-International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC_{50}	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD_{50}	Lethal Dose 50%	NTP	National Toxicology Program
EC_{50}	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
ECX	Effective Concentration X%	vPvB	vPvB -High very Persistent, High very Bioaccumulative
P_{OW}	Partition coefficient Octanol:Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor (BCF)	RPE	Respiratory Protective Equipment
ED	Endocrine disruptors	-	-

◆ Disclaimer

This Safety Data Sheet (SDS) The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user’ s reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product， This report may not be published as an advertisement without the approval of the GFQT. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is illegal and the offender may be prosecuted to the fullest extent of the law.In case of any different meanings from the language used in the report， the Chinese version is applicable.