

# Material Safety Data Sheet

## Lubrication Grease (MSDS:H090005-00-02-NA-E)

### 1. IDENTIFICATION OF THE PRODUCT AND OF THE SUPPLIER

[PRODUCT NAME] :Lubrication Grease [USE OF THE CHEMICAL] :Lubrication Grease [MANUFACTURE NAME] :Noritsu Precision Co., Ltd.

[MANUFACTURE ADDRESS] :579-1, Umehara, Wakayama-shi, 640-8550, Japan

:Quality Assurance Group [DIVISION]

**[PHONE NUMBER]** TEL: +81 73 456 3969 Fax: +81 73 456 3991

[E-MAIL] :msds@nkc.noritsu.co.jp

### 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION (JIS Z7253:2012) :Not applicable

Hazard identification that there is no description in the above-mentioned is Not applicable or Not possible to classify.

LABEL ELEMENTS

**SYMBOLS** :No pictogram SIGNAL WORD :None HAZARD STATEMENT :Not applicable PRECAUTIONARY STATEMENTS [Prevention] :None

[Response] :None [Storage] :None [Disposal] :None

Even if there is not a mention of the notice by the GHS classification, the information in later, making a sufficient consideratic relates to prevention/ response/ storage/ disposal.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

DISTINCTION (SINGLE PRODUCT/MIXTURE) :Mixture

CHEMICAL NAME :Grease

COMPOSITION BASE OIL :Synthetic oil 70~80wt% 5~15wt% THICKNER :Lithium soap **OTHERS** 15~25wt% ·Additives

CHEMICAL FORMULAE :Not disclose, because of trade secrets CAS NO :Not disclose, because of trade secrets

UN CLASS/UN NUMBER :Not applicable

### 4. FIRST-AID MEASURES

IF INHALED :Remove victim to fresh air.

Get medical advice/attention.

IF ON SKIN :Wash the affected area with soap and water.

IF IN EYES :Flush eyes with plenty of water, and get medical advice/attention.

IF SWALLOWED :Do not induce vomiting. Get medical advice/attention. If a mouth is polluted, wash it with plenty of water.

MOST IMPORTANT SYMPTOM :No data available

PROTECTION OF PERSON

GIVE FIRST-AID :No data available SPECIAL NOTE TO DOCTOR :No data available

### 5. FIRE-FIGHTING MESURES

**EXTINGUISHING MEDIA** :Use spray foam, foam, powder or CO<sub>2</sub> gas extinguishing media.

:Use powder or CO2 gas extinguishing media. FIRST FIRE

LARGE-SCALE FIRE :Use foam extinguishing media.

UNSUITABLE EXTINGUISHING MEDIA :Water must not be used to extinguish.

PECULIAR HAZARD STATEMENT :No data available

PECULIAR EXTINCTION METHOD :Cut off combustion source of fire. :Sprinkle water to equipment to cool.

:Prohibit to enter to the scene of a fire except staff.

PROTECTION OF THE PERSON

**EXTINGUISHIES FIRE** :Extinguish fire on the windward side of the fire and not fail to wate

protector.

Date of issue:5/28/2018 Version:2

### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

**ENVIRONMENTAL PRECAUTIONS** :Take care not to be drained into river and drain.

:If the medicine is used for the sea, it should be what suits the standard in the technology that provides by the transportation

ministerial ordinance.

:Not fail to wear protector.

METHODS FOR CONTAINMENT AND CLEANING UP

SMALL QUANTITY

:Remove source of a fire.

:Remove with a spatula or shovel, or absorb with soil, sand or a clo

Wipe off remainder with a cloth.

LARGE QUANTITY Prevent access by roping off the perimeter around the leak.

> Prevent the spilling grease from spreading with soil and sand. After draining off to a safety area, collect as much as possible into

an empty container.

AT SEA :Prevent dispersion by creating an oil fence.

Scoop up or use adsorption mats to soak up.

When chemicals are used, these must comply with technological

stndards as set down in ministry of transport ordinances.

PREVENTION MESURE OF SECOND DISASTER :Inform promptly a related organization to attempt prevention and

the expansion prevention of the accident when leaking. :Remove source of a fire and prepare extinguishing media.

## 7. HANDLING AND STORAGE

**HANDLING** 

**TECHNICAL MESURES** :Avoid contact with flame, sparks and heated objects.

Do not allow unnecessary dispersion of vapor.

:Take steps to prevent static electricity, and use conductive work

clothes and shoes.

:Remove completely it in the safety area, if the mechanical

equipment are repaired and are processed.

:Wear protector, if there is possibility of skin contact or eye contac

:Avoid inhalation of vapor or mist. :Containers must be sealed.

**NOTES** :The vapor from peeroleum products builds up easily as it is heavie

than air. It is therefore necessary to ensure adequate ventilation

and take care with fire.

NOTES OF SAFE HANDLING :Handling should be done at room temperature. Prevent

contamination of water and impurities.

:Avoid contact with halogens, strong asids, alkaline substances and

oxidants

**STORAGE** :Protect from sunlight. Store in a well-ventilated place.

:Avoid heat, sparks, flames and any build-up of static electricity. :Electrical equipment used in the storage area must have a non-explosive structure, and devices must be earthed. :Avoid contact and storing with halogens, strong acids, alkaline

substances and oxidants.

:Don't turn the heat to an empty container.

:Don't cut, weld, heat, or make the hole the container. Traces might

ignite attended with the explosion.

## 8. EXPOUSURE CONTROLS/PERSONAL PROTECTION

**EQUIPMENT MESURES** :If the vapor arises, ventilation equipment or closing of vapor sourc

is needed.

The equipment for washing and the body washing of eyes is set up

near the handling area.

MANAGEMENT CONCENTRATION :Not established

ALLOWABLE CONCENTRATION :Japan Society for Occupational Health(2013)

3mg/m<sup>3</sup> (as mist of mineral oil)

:ACGIH(2013)

TWA: 5mg/m<sup>3</sup> (as mist of mineral oil)

PROTECTION

RESPIRATORY PROTECTION :If necessary, wear hazard mask.

HAND PROTECTION :Wear the resistance to oil if coming in contact repeating for a

long term.

**EYE PROTECTION** :Wear safety glasses with side shields.

SKIN PROTECTION :Wear the long sleeve work wear of the resistance to oil if handling

or getting wet for a long term.

APPROPRIATE SANITARY REQUIREMENT :Take off and wash the wet clothes, and use again.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE** :Semisolid

COLOR :White **ODOR** :Slightly odor :No data MELTING POINT/FREEZING POINT :No data INITIAL BOILING POINT AND BOILING :No data

:Over 200°C(SETA) **FLASH POINT** 

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: Upper: 7wt% Lower: 1wt% (Base oil)

VAPOR PRESSURE :No data VAPOR DENSITY :No data :Approx.0.95 RELATIVE DENSITY (WATER = 1)

:Insoluble **SOLUBILITY** :Water Other solvent Insoluble

:No data **AUTO-IGNITION TEMPERATURE DECOMPOSITION TEMPERATURE** :No data VISCOSITY :No data

## 10. STABILITY AND REACTIVITY

pΗ

**STABILITY** :Stability at room temperature POSSIBILITY OF HAZARDOUS REACTIONS :No reaction with water

CONDITIONS TO AVOID :Heating, high temperature, and contact hazardous material. **INCOMPATIBLE MATERIALS** :Avoid contact with halogens, strong acids, alkaline substances

and oxidants.

HAZARDOUS DECOMPOSITION PRODUCTS :A corpuscle that causes polymer fume fever is produced when

heated or burned at 260°C or more, at 400°C or more, harmful

fluoride gas is produced.

**OTHER** :No data available.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY** : rat  $LD_{50} > 5000 mg/kg$ 

> Inhalation(vapor) : Nodata Inhalation(mist) · Nodata

SKIN CORROSION/IRRITATION :No data available SERIOUS EYE DAMAGE/IRRITATION :No data available RESPIRATORY OR SKIN SENSITIZATION ·No data

GERM CELL MUTAGENICITY :No data available

CARCINOGENICITY BASE OIL :IARC, OSHA, NTP, EU, EPA, ACGIH Not established

**THICKENER** :No data available **ADDITIVE** :No data available No data available :No data available

STOT-single exposure STOT-repeated exposure :No data available ASPIRATION HAZARD :No data available

## 12. ECOLOGICAL INFORMATION

REPRODUCTIVE TOXICITY

**TOXICITY FISH** :No data available **OTHERS** :No data available PERSISTENCE/DEGRADABILITY :No data available **BIOACCUMULATIVE POTENTIAL** :No data available MOBILITY IN SOIL :No data available OTHER ADVERSE EFFECTS :No data available

## 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD :Consider disposal via licensed waste disposal company.

Scrap may be incinerated under properly controlled condition.

Follow all regulations in your country.

## 14. TRANSPORT INFORMATION

Not classified as dangerous in all means of transport regulations, including air, sea and land.

#### INTERNATIONAL REGULATIONS

FOR TRANSPORT :Not regulated (Not dangerous)

UN CLASS :Not applicable
UN NUMBER :Not applicable
PRODUCT NAME :Not applicable
CONTAINER GRADE :Not applicable
MATERIAL :None

SEAWATER POLLUTION MATERIAL SPECIFIC SECURITY PRECAUTION AND CONDITION OF TRANSPORTATION

:The container is avoided direct sunlight, and it loads so as not to

be damaged, corroded and leak.

The collapse of cargo piles is prevented surely.

:Don't pile the heavy load.

## 15. REGULATORY INFORMATION

Ensure this meterial in compliance with nation's requirements, and ensure conformity to local regulation.

### 16. OTHER INFORMATION

Please read the SDS well before use.

SAFETY DATA SHEETS ARE ISSUED BASED ON THE LATEST INFORMATION WE HAVE KNOWN. HOWEVER, THESE ARE NOT THE ONE TO INSURE SAFETY.

THESE ARE PROVIDED TO COMPANIES HANDLING THE MATERIALS AS REFERENCE INFORMATION REGARDING HAZARDOUS AND HARMFUL CHEMICALS TO ENSURE SAFE HANDLING.

WE ASK THAT THESE SHEETS BE USED BY COMPANIES AS REFERENCE AND WITH THE UNDERSTANDING THAT IT IS NECESSARY FOR MESURES APPROPRIATE TO THE SPECIFIC CIRCUMSTANCES RELATED TO HANDLING THE MATERI. TO BE TAKEN UNDER THEIR OWN RESPONSIBILITY. ACCORDINGLY, THIS DATA SHEET IN NO WAY CONSTITUTES A GUARANTEE OF SAFETY.