JAPAN OIL WHITE GREASE NLGI :2

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. **Product identifier:** JAPAN OIL WHITE GREASE NLGI:2

1.2. **Relevant identified uses of the substance or mixture and uses advised against:** Grease Oil

1.3. **Details of the supplier of the safety data sheet**

Company name: Japan Oil Corparation
Address: Japan, 〒 892-0821 Kagoshima-ken Kagoshima-shi Meishan cho 9-1
e-mail: info@japanoil.jp

1.4. **Emergency phone**

National Poison Information Center: 114

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified as dangerous. (EC Regulation No 1272/2008)

Based on available data this substance / mixture does not meet the classification criteria.

2.2. Label Elements

There is no label element. (EC Regulation 1272/2008)

2.3. Other hazards

Not harmful to aquatic organisms.

2.4. Environmental Hazards

Not harmful to aquatic organisms.

3. INFORMATION ABOUT INGREDIENTS

Chemical Composition	CAS NO.	EINECS No	REACH No	Concentration (%)	CLP Classification
Base Oil	Mixture	-	-	60-90	-
12 Hydroxy Stearic Acid	106-14-9 / 203366-1			10 - 30	R51/53
Alkyl phosphate				< 1,0	R34
Lithium Hydroxide	1310-65-2 / 215183-4			1 - 5	R34, R37
Long chain alkenyl amine				< 1,0	R22, R35, R50

Synthetic base oil and additives. Highly refined mineral oil. The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice : Not expected

Protection of first-aiders : When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.

If inhaled : No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.

In case of skin contact : Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.

In case of eye contact : Flush eye with copious quantities of water. Remove contact lenses, if present and easy to do. Continue rinsing. If persistent irritation occurs, obtain medical attention.

If swallowed : In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

4.2. Most important symptoms and effects, both acute and delayed

In all suspicious cases and if symptoms are present, consult a doctor.

4.3. Indication of need for medical attention and special treatment

No information available.

5. FIRE FIGHTING MEASURES

5.1. Fire Extinguishers

Foam, dry chemical and water spry should be used for small-scale fires. Should call fire department for large fire.

5.2. Special Hazards Caused by Substances and Mixtures

Toxic gases are released after Combustion. These gases give rise to poisoning by inhalation. May burn at high temperatures

5.3. Recommendations for Fire Fighting Teams:

Fire should be extinguished by trained personnel and should use protective clothing and oxygen mask. Do not intervene fire with water.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment from item 8. Stand upwind from the release site. It may be cause to react the product away from the equipment environment (flame sources, chemical etc.).Notify the emergency team.

6.2. Environmental Measures

For small spills, throwing sand on the oil to be absorbed. Thereafter, it should be placed in a package liquid-tight with a paddle for disposal. In large-scale spills to prevent oil from contaminating the environment, the set should be done with sand and sawdust or ditch should be dug. In such cases, the competent authorities should be informed immediately after the first intervention.

6.3. Methods and materials to maintain and Clean:

Absorb the spilt product with absorbent or inert material. Waste material should be stored in closed and sealed containers. Hand over for disposal to legal entities for hazardous waste disposal, authorized by the Ministry in charge of environmental protection. Do not clean with water.

6.4. Other Partitioning Citations:

In case of larger spills, notify the communication unit at 112.

7. HANDLING AND STORAGE

7.1. Precautions for Safe Handling:

Product keep in a well-ventilated place and in closed containers. Keep away from fire and heat sources. Avoid contact with skin and eyes.

7.2. Conditions for Safe Storage Dispute Involving:

Keep container tightly closed and in a cool, well-ventilated place. Use properly labeled and closable containers. Store at ambient temperature.

7.3. Specific end uses

Specific use(s) : Not applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

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8.2. Exposure Controls

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8.2.1. Appropriate engineering controls

Ensure good ventilation of the environment.

8.2.2. Personal Protective Equipment



Respiratory protection: During regular work, respiratory protective equipment is not required. In special cases (e.g. spills), use full face protective mask and in case of fire, use a self-contained pressurized air breathing apparatus.

Hand protection: Gloves made of PVC or neoprene, resistant to oils, greases, alkali and acids.

Eye protection: Protective goggles with side protection or protective visor.

Skin and body protection: Should be used long-sleeved protective clothes and footwear.

Special hygienic and safety precautions: Smoking, eating and drinking is prohibited while handling this product. Wash hands before each work break.

Additional warnings: Contaminated clothes and shoes should be removed immediately and contact the area should be cleaned immediately

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical properties

State	liquid	**Color**	White	**Odor**	Characteristic

Chemical properties

TEST	UNIT	TEST METHOD	TYPICAL VALUES
SOAP TYPE	-	-	Ca
COLOR	-	-	White
NLGI		-	2
DROPPING POINT, **°C**, MIN	°C	ASTM D 566	90
WORKED PENETRATION 25 **°C**	°C	ASTM D 217	265-295

10. STABILITY AND REACTIVITY

10.1. Reactivity

No information available.

10.2. Chemical Stability

No information available.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to Avoid

Avoid contact with high temperatures, ignition sources and direct sunlight.

10.5. Incompatible materials

Avoid contact with water and strong oxidants.

10.6. Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxic effects

Skin corrosion / irritation; Prolonged or repeated contact with the skin can cause irritation.

Serious eye damage / irritation; Contact with the eyes can cause temporary blindness and eyes irritation.

Respiratory or skin sensitization; When fog or smoke inhalation can irritate the eye, nose and throat. Hot steam is the product of irritating the upper respiratory tract.

Swallowed; It may cause nausea and diarrhea.

Germ cell mutagenicity; Based on the available information, classification criteria is not fulfilled.

Carcinogenicity; Based on the available information, classification criteria is not fulfilled.

Reproductive Toxicity: Based on the available information, classification criteria are not fulfilled.

Specific Target Organ Toxicity- single exposure; Based on the available information, classification criteria is not fulfilled.

Loss of aspiration; Based on the available information, classification criteria is not fulfilled.

LD50, Acute Toxicity Estimates or LC50; Based on the available information, classification criteria is not fulfilled.

Other observations

In case of compliance with general safety and industrial hygiene, not a hazard to the health of the staff during working with this product.

12. ECOLOGICAL INFORMATION

12.1. Toxicity; Does not harm the aquatic life forms. Spills make film layer on water and prevent oxygen transfer.

12.2. Persistence and degradability; Biodegrades itself.

12.3. Bioaccumulation potential; Interest is not expected for bio-accumulation through food chains.

12.4. Mobility in soil; Spilled product causes pollution in surface waters penetrate the soil.

12.5. Results of PBT and vPvB Assessment; No data available.

12.6. Other Adverse Effects; It has the ability to accumulate in the soil.

13. : DİSPOSAL CONSİDERATİONS

According to current regulations for disposal by a licensed institution to be delivered to authorized persons. Used product, packing or wastes should never be released into the environment.

Processing Methods

Waste and used packaging must be disposed of in accordance with official regulations. It should be prevented from mixing with surface and underground waters, drinking water sources, standing and running water, and sewerage.

13.2 Safe Disposal

It must be disposed of by qualified licensed personnel in accordance with official regulations.

13.3 Additional info

National and international legislation on waste should be consulted.

14. TRANSPORT INFORMATION

14.1. UN Number

14.2. UN proper shipping name

GENERAL

The product is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

Land transport (ADR / RID)

Transportation is not dangerous. It not classified as hazardous for transport.

Marine transport (IMDG)

Transportation is not dangerous. It not classified as hazardous for transport.

Air transport (ICAO)

Transportation is not dangerous. It not classified as hazardous for transport.

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for the user

14.7.Public transport according to Annex II of Marpol 73/78 and the IBC code

15. REGULATORY INFORMATION

The content and format is in accordance with Regulation (EU) No.1907/2006 (REACH) and (EU) No. Regulation 1272/2008 (CLP).

16. OTHER INFORMATION

Symbol(s)

H full text of sentences

R22-----Harmful if swallowed.

R41-----Risk of serious damage to eye.

R34-----Danger of cumulative effects.

R37-----Irritating to respiratory system.

R38-----Irritating to skin

R35-----Causes severe burns.

R43-----May cause sensitization by skin contact.

R50-----Very toxic to aquatic organisms.

R51/53---Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R23/24---Toxic by inhalation and in contact with skin.

R48/20---Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R50/53----Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment