

# Safety Data Sheet

**\*This reference is just translated by Barudan Co.,Ltd. for your information based on the original SDS issued by the manufacturer "OZAWA INDUSTRY CO.,LTD."**

## (1. Products & Manufacturer)

Products KF720110 Barudan Oil

Manufacturer Company : OZAWA INDUSTRY CO.,LTD.  
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## (2. Summary of Hazard)

### GHS Classification

Flammable liquid	Non-Classification
Acute toxicity(Oral)	Non-Classification
Acute toxicity(Endermatic)	Non-Classification
Acute toxicity(Inhale, Dust, Mist)	Class-4
Skin corrosivity/Irritant	Class-3
Eye damage/Irritant	Class-2B
Skin sensitization	Non-Classification
Germline mutation	Class-2
Carcinogenicity	Non-Classification
Particular target organ/ Systemic toxicity(single exposure)	Class-2
Particular target organ/ Systemic toxicity(repeat exposure)	Class-1
Attractant respiratory apparatus hazardousness	Class-1

### GHS Label

Figure \*\* \*\*

Caution : Dangerous

hazard & toxicity : Inhalation harmful  
Mild skin irritation  
Eye irritation  
Possibility of genetic disorder

Possibility of lung disorder  
Lung and skin disorder due to long and repeated exposure  
Accidental ingestion to respiratory tract to be hazardous to life

Caution : Avoid to inspire fume

In case of exposure or feeling ill, to receive medical treatment.

Important hazard & toxicity and effects

Particular hazard & toxicity

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(3.Composition and ingredients)

Substance Identification : Single Product

Chemical or material : Lubricant (petroleum-based hydrocarbon)

Constituent and content : Petroleum-based hydrocarbon(petrolatum) 100%

Chemical property(Chemical formula) : Impossible to specify

Public notice(Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances  
in the Environment and Promotion of Improvements to the Management Thereof  
Industrial Safety and Health Act) :

The Constituent is existing chemical substance, but the number is  
undisclosed due to business secret.

Hazardous Constituent

Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances  
in the Environment and Promotion of Improvements to the Management Thereof  
: None

Industrial Safety and Health Act : Petrolatum(article 57-2 notifiable substances  
order No.168 )

Poisonous and Deleterious Substances Control Act : None

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(4.First Aid) Inhalation : Move under fresh air. Keep them at rest and their temperature,  
covering with blankets. See a doctor if necessary.

Skin : Take off the contaminated goods and wash off the area with soap and  
plenty of clean water or tepid water. In case of heated, take  
necessary treatments for the burnt after washing off.  
In case of blister or pain, medical treatments to be received  
if necessary.

Eye : Wash off with clean water and see a eye doctor. Open eyelid and wash  
eyeball and eyelid, watering to the every corner. In case of contact  
lens wearing, take off and wash off unless lens are stuck on.

Ingestion : No need to vomit forcibly and immediately see a doctor.  
Forcible vomit totally take much more risk of inhalation to lung.  
Wash off with plenty of water if mouth is contaminated.

Important symptoms and states

Possibility of diarrhea or vomit in case of ingestion.

Possibility of irritation in case of getting into eye.

Possibility of irritation in case of dropping on skin.

Possibility of sickness in case of inhalation.

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(5. Fire Fighting Measures)

Extinguisher : Misty, foam, powder or carbon-rich gas extinguisher effective.  
High volume of jet water to be avoided

Banned extinguisher : Misted water for cooling acceptable. Rod of water prohibited due to the possibility of fire expansion.

Particular extinguishing : Fire fighting from windward to the utmost. Keep out non-involved people from the scene. Prevent fire spread and put out with proper extinguishers. Use powder extinguisher at the beginning. In case of large-scale of fire, cut air-supply and use foam extinguisher. Pouring water to be avoided as it sometimes cause expand fire.

Protection for fire fighters : Wear protectors and fire-fighting from windward. Wear protectors as combustion or high-temperature possibly generate poisonous gas like carbon monoxide.

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(6. Leakage Measure)

Caution for human body : Keep out non-involved people from the leakage scene in case of huge quantity.

Protector and

emergency measure : Wear proper protectors for cleaning up.

Caution for environment

: Shut out the leakage origin and stop leakage.

Absorb the leakage by sand or cloth and collect into empty case in case of small quantity. And, wipe out completely by cloth after that.

Leakage to be stopped by sand and lead to safety area.

Leakage to be collected into empty case and stop the leakage go to river or sewage in case of large quantity.

Prevent further diffusion by oil fence and absorb leakage by absorbing mat at sea. Follow MLIT ordinance if any medicaments are used.

Prevention for second accident : Inform immediately authority concerned to prevent and expand accidents. Remove any ignition items from the leakage and prepare for extinguishers for fire. Pay attention to slippery area.

Recovery/Neutralization :

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(7. Handling/Storage)

Handling

Technical Measure

Exposure prevention of engineers : Wear protectors for handling and avoid direct contact.  
Banned to suck by straws, put into mouth and drink.

Fire and explosion prevention : No fire. Avoid direct contact with flame, spark and high-temperature item. Electrostatic protection is necessary. Costumes to be conductive. Repairing or modifying machinery equipments which

contain products must be made after removing from the machinery equipments in a safety place. Explosion-proof electrical equipments to be used.

Others : Handle at normal temperature and do not mix with water or dirt. oil case to be closed tightly in each handling. Products must be pull off after cooking down from the area as it might cause burning that pulling off the products from the area is hot.

Remarks : Handle in the manufacturing, storage and handling facilities met with Fire Service Act basis in case of handling the quantity more than designated. Handling with sealed devices, equipments or regional ventilation. Products are easy to accumulate as effluvium from petroleum products are heavier than air. Avoid effluvium and adequate air ventilation necessary in handling facilities.

Safety handling and remarks : Avoid direct contact with flame, spark and high-temperature items. Electrostatic protection to be necessary. Costumes to be conductive. Banned to press empty cases due to possibility of burst Banned to weld, heat drilling and cut the cases as the residue might be ignited with explosion.

Storage Condition : Avoid direct sunshine and keep in well-ventilated place with danger sign. Avoid heat, spark fire and static accumulation. Explosion-proof electrical equipments to be used in storage facilities. Equipments to be grounded. Avoid keeping products together with halogen, strong acid, alkali and oxidizer in the same storage facilities.

Reservoir and Package materials : Reservoir met with Japanese Hazardous Materials Control Order to be used. To be checked if reservoir is complied with reservoir examination standard at Japanese Hazardous Materials Control Order basis.

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#### (8.Exposure prevention and Protection)

Acceptable density

Controlled density : No Requirements

Acceptable density : Japan Society for Occupational Health 2004 edition.

Time Load Average : TWA 3mg/m<sup>3</sup> as petrolatum mist  
ACGIH 1993-94 edition.

Time Load Average TWA 5mg/m<sup>3</sup> as petrolatum mist

Equipment Measure : Source of mist to be sealed tightly or disposal equipments to be installed in case of volatilization. Eye washing and body washing facilities near handling facilities must be installed.

Respirator : Gas mask for organic gas if necessary in case of volatilization.

Protective glasses : Wear normal type for anti-scattering.

Protective gloves : Wear oil-proof type for long time and repeated usage.  
Protective wear skin and body: Wear Oil-proof and long-sleeve wear and safety footwear for long time repeated usage. Take off wet wear and reuse after complete cleaning.

Proper Sanitary Measure : No eat and smoking during operation. Place washing room in rest room and washing hands and face well after handling. Bringing contaminated protectors like gloves to rest room not allowed.

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#### (9. Physical and Chemical Properties)

Chemical material appearance  
Physical conditions  
Configuration : Liquid  
Colour : None  
Smell : moderate odor  
Ph : Not applicable  
Melt and solid point : -10C  
Boiling point : 250C  
Burning point : more than 100C  
Combustion and explosion of upper and lower limit : upper 7% lower 1%(Estimation)  
Vapor Pressure : No data  
Vapor density : No data  
Density : 0.86g/cm<sup>3</sup>(15C)  
Solubility : Non-soluble  
N – octanol/ water partition coefficient : No data  
Autoignition point : No data  
Decomposition point : No data  
Smell Level : No data  
evaporation rate : No data  
combustion : No data

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#### (10. Stability/Reactivity)

Condition to be avoid : Contact with strong acid.  
Mixture Hazardous material : strong acid  
Hazardous degraded product : possibility to generate carbon monoxide by combustion.

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#### (11.Noxiousness information)

Acute toxicity : Oral Rat LD 50 : More than 5g/kg(Estimation).  
Skin corrosivity and irritation: Possibility in case of long time and repeated usage.  
Serious damage and irritation to eye : Possibility in case of long time and repeated usage.  
Respiratory and skin sensitization : No useful information.  
Genital cell mutagenic property : No useful information.  
carcinogenic property : LARC group3. Hard to classify human carcinogenic property  
Reprotoxy : No useful information.  
Particular target organ/Systemic toxicity(single exposure) : No useful information.  
Particular target organ/Systemic toxicity(repeat exposure) : No useful information.

Attractant respiratory apparatus hazardousness : No useful information.

(12. Environmental Impact Information)

Environmental effects/ecological toxicity : No useful information

Resolvability : No useful information

Accumulation : No useful information

Mobility : Movable to the air, water and soil.

(13. Disposal Remarks)

Waste from residues : Business operators process disposal by themselves or ask local governments or certified disposal processors by local governments. Dumping and landfill not allowed. Waste from residues are controlled as a industrial wastes by Waste Management and Public Cleansing Act.

Contaminated reservoir and Package : Contents removed completely from and dispose as an industrial waste as same as waste from residues.

(14. Transportation Remarks)

UN Number : Not applicable

UN Classification : Not applicable

Products : Lubricant

Reservoir Class : Reservoir met with Japanese Hazardous Materials Control Order to be used. To be checked if reservoir is complied with reservoir examination standard at Japanese Hazardous Materials Control Order basis.

Ocean contaminated substance : Oil discharge control

(15. Applicable laws or ordinances)

- Fire Service Act : Class IV Hazardous Material, Class III Petroleums
- Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof : Not applicable
- Industrial Safety and Health Act : Notifiable substances
- Poisonous and Deleterious Substances Control Act : Not applicable
- Waste Management and Public Cleansing Act : Industrial Waste
- Water Pollution Control Act : Oil discharge control. normal-hexane extracts
- Act on Prevention of Marine Pollution and Maritime Disaster : Oil discharge control.
- Sewerage Act : Mineral oil discharge control.
- Road Act : Not applicable
- Ship Safety Act : Not applicable
- Civil Aeronautics Act : Not applicable

(16. Others)

These sheets are drawn up based on the available references, information and data at this moment, but these sheets cannot give any guarantee for containing amount, physical and chemical property, hazard and toxicity. These sheets would be updated by revision of laws and ordinances or new knowledge. These sheets are intended to normal usage of products and supplied to business operators who handle products with normal usage as a reference to keep the handling safe.