

Ref No.	Silver PH7 Plus 10K/BL	Date Prepared	26-Feb-08
3567-02	Yokohama Oils & Fats Industry	Date Revised	25-Mar-15

Ver. 11_05

Safety Data Sheet (S D S)

1. PRODUCT AND COMPANY IDENTIFICATION

Product ID	Silver PH7 Plus 10K/BL
Product Code	3567
Company Name	Yokohama Oils & Fats Industry Co., LTD.
Address	1-1 Minamisengen-cho, Nishi-ku, Yokohama,
Department in Charge	Department of Technology & Development
Personnel in Charge	Kazuya Nagatomi
Phone	+81-45-311-4701
Fax	+81-463-89-1330
Emergency Contact	+81-45-311-4704
Recommended Use and Usage Restrictions	Cleaning for aluminum fin of air-conditioning system
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2. HAZARDS IDENTIFICATION

GHS Category

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Hazardous to the aquatic environment (acute)	Category 3

* Items unmentioned are either out of category, not classified, or classification not possible.

GHS label elements

Symbol



Signal word

Warning

Hazard statement

Causes skin irritation
Causes serious eye irritation
Harmful to aquatic life

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical substance - Single / Mixture

- Mixture

Component / Chemical Name	Content (wt%)	CAS No.	MITI No.
Nonionic surface active agent	2~4	Registered	Registered
Chelating agent	Confidential	Registered	Registered
Disinfectant	Confidential	Registered	Registered

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Substances subject to notification restricted by PRTR Law

Not applicable Contains no applicable substances

Poisonous and Deleterious Substances Control Law

Not applicable Contains no applicable substance

Industrial Safety and Health Law

Subject to notification : Article 57-2 of Act, appended table 9 of article 18 of Order
Harmful substance subject to notification

Not applicable Does not contain more than limit content

Ordinance on the Prevention of Organic Solvent Poisoning

Not applicable Contains no applicable substance

4. FIRST AID MEASURES

IF MASSLY INHALED

- If you feel unwell after inhaling, remove to fresh air and keep at rest in a position comfortable for breathing.
- Seek medical attention if you do not recover from illness.
- If victim vomits, and is still breathing, turn head sideways.
- If victim is breathing weak, give artificial respiration or oxygen inhalation.
- Seek medical attention if above symptoms appear.

IF ON SKIN

- Flush immediately with water and wash thoroughly with soap.
- Remove/take off immediately all contaminated clothing and flush skin with water.
- Seek medical attention if you feel unwell.
- Seek immediate medical attention when skin irritation, rash, or blister appears.
- Remove/take off contaminated clothing and wash skin thoroughly.
- Wash contaminated clothing before reuse.

IF IN EYES

- Rinse eyes with clean water for at least 15 minutes. Use fingers to open eyelid and wash thoroughly throughout every part of the eye including eyeball and eyelid.
- Remove contact lenses unless firmly stuck to the eye and continue to rinse.
- Seek medical attention after rinsing.
- Seek immediate medical attention if you have severe pain.

IF SWALLOWED

- Immediately rinse mouth with water.
- Seek immediate medical attention.
- Do not induce vomiting.
- Seek immediate medical attention if a child has possibly swallowed the product.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

- Product itself is non-combustible.

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SPECIFIC FIRE-FIGHTING PROCEDURE

- Take fire-fighting procedures from upwind as much as possible.
- Evacuate unauthorized people from the area and lead them to a safe place.
- Move container from fire area if it can be done without risk.
- Seal off the area to unauthorized people.
- Cool surrounding area with water spray to prevent temperature rising of peripheral facilities that could be caused by radiation heat.
- Take appropriate measures to prevent environment-affecting substances from flowing out.

PROTECTION FOR FIRE-FIGHTERS

- Apply suitable equipment such as gloves, goggles, and mask.
- Take procedures from upwind and avoid inhalation of toxic gas. Wear respiratory equipment as needed.

6. ACCIDENTAL RELEASE MEASURES

PRECAUTIONS FOR HUMAN BODY, PROTECTIVE EQUIPMENT AND EMERGENCY MEASURES

- Ventilate area until well after the fire is out.
- Wear gloves, goggles, and protective clothing when taking measures against leakage.
- Seal off the spilled area by stretching ropes.
- Wear suitable equipment to avoid skin contact and inhalation of dust /gas.
- Take measures from upwind and evacuate unprotected personnel from downwind.
- Prepare extinguishing tools and equipments for possible ignition.
- Watch your step ; spilled area is slippery.

TO PREVENT ENVIRONMENTAL POLLUTION

- Do not let spills flow into rivers to prevent environmental contamination.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

COLLECTION AND NEUTRALIZATION

- Small amount release ; absorb spills with absorbant (sawdust, soil, sand, cloth, etc.) and wipe remains with cloth. Collect absorbants in a sealable container for disposal.
- Large amount release ; prevent outflow by mounting soil and take procedures after channelling it to a safe place.
- Absorb remains with soil or sawdust.
- Contaminated materials and waste must be disposed in compliance with all relevant regulations.

TO PREVENT SECONDARY DISASTER

- In case of accidental release, you must report to relevant authority without delay in order to prevent possible accident and expansion.

7. HANDLING AND STORAGE

HANDLING

Technological Countermeasures

- Read thoroughly the usage precautions. Do not use product for other purposes.
- Do not inhale dust, smoke, gas, mist, vapor, or fume.
- Use at outdoors or well-ventillated areas.

STORAGE

CONDITION FOR SAFE STORAGE

- Read storage conditions on label and store properly.
- Keep container tightly closed.
- Keep away from direct sunlight. Avoid exposing to temperature over 40 deg.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

FACILITY MEASURES

•Local ventilation system is required for vapor/smoke/mist releasing conditions.

Blanks and “-” is equal to “no data”.

Component/Chemical Name	Control Limit	Exposure Limit
Nonionic surface active agent	—	—
Chelating agent	—	—
Disinfectant	—	—

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection

•Wear protective mask. Wear filter respirator, chemical cartridge respirator, or respirator for organic solvent as needed.

Hand Protection

•Wear protective gloves. Wear solvent-resistant gloves or vinyl gloves as needed.

Eye Protection

•Wear protective goggles. Wear chemical goggles or face shield as needed.

Skin and body protection

•Wear body suit or protective apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Colorless ~ pale yellow clear liquid
Odour	: Intrinsic odor
Odour threshold	: Not available
pH	: 6.7
Melting Point/Freezing Point	: Not available
Boiling Point, Boiling Range	: Not available
Flash Point	: None
Auto-Ignition Temperature	: Not available
Flammability	: Not available
Flammable/Explosive Limit	: Not available
Vapor Pressure	: Not available
Vapor Density	: Not available
Evaporation Rate	: Not available
Specific Gravity	: 1.01
Solubility	: Soluble
Partition Coefficient n-Octanol/Water	: Not available
Decomposition Temperature	: Not available
Viscosity	: Not available
Other Data	: Not available

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10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability

- Stable under usual handling condition.

Possibility of Hazardous Reactions

- Not available

Conditions to Avoid

- Not available

Incompatible Materials

- Not available

Hazardous Decomposition Products

- Not available

Others

- Not available

11. TOXICOLOGICAL INFORMATION

Toxicological Information of Individual Component : Blank means "below cutoff limit set by GHS or no data".

Component/ Chemical Name	Acute Toxicity (Oral)	Acute Toxicity (Dermal)	Acute Toxicity (Inhalation : gas)	Acute Toxicity (Inhalation : vapor)	Acute Toxicity (Inhalation : dust, mist)	Skin Corrosiveness/ Irritation	Serious Eye Damage/ Eye Irritation
Nonionic surface active agent	Classification not possible	Classification not possible	Not applicable	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Chelating agent	Category5	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Category1	Category1
Disinfectant	Category4	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Category1	Category1

Component Chemical Name	Respiratory or Skin Sensitization	Germ Cell Mutagenesis	Carcinogenicity	Reproductive Toxicity	Target organ toxicity (single exposure)	Target organ toxicity (repeated exposure)	Aspiration Hazard
Nonionic surface active agent	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Chelating agent	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Disinfectant	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Not classified

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12. ECOLOGICAL INFORMATION

HAZARDOUS INFORMATION AS PRODUCT

- BOD : 2300mg/l (10%)
- COD : 2600mg/l (10%)

Hazardous information of individual component : Blank means "below cutoff limit set by GHS" or "no data".

Component/ Chemical Name	Hazardous to the aquatic environment (acute)	Hazardous to the aquatic environment (chronic)
Nonionic surface active agent	Classification not possible	Classification not possible
Chelating agent	Classification not possible	Classification not possible
Disinfectant	Category1	Not classified

Hazardous to the ozone layer : Not available

13. DISPOSAL CONSIDERATIONS

- Disposal of contents/container must be entrusted to officially approved waste disposal dealers.

14. TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS

UN Class

Not applicable

UN Number

Not applicable

Packing Group : Not applicable

Marine pollutant : Not applicable

Domestic Regulations :

Container Yellow Label

Not applicable

Specific Safety Measures and Conditions for Transport

- Make sure that there are no breaks or leaks from package.
- Ensure to avoid collapse and damage.
- Package, label, and transport must comply with relevant regulations.
- Avoid direct sunlight.
- Keep dry. Dangerous if contacted with water.
- Do not load side-ways.
- Do not place directly on heated steel or ground during transport.
- Handle with care. Do not add shock to container. Avoid fall or crash.

15. REGULATORY INFORMATION (Japanese legislation)

Explosives Law

Not restricted

High Pressure Gas Safety Act

Not restricted

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Fire Defense Law : Restricted storage limit is shown in ()

Not applicable (as Hazardous Substances of Fire Service Law)

Non-combustible

Poisonous and Deleterious Substances Control Act

Not applicable

(contains no restricted substance, refer to 3. COMPOSITION/INFORMATION ON INGREDIENTS for details)

Industrial Safety and Health Act :

Contains no indicatable sustance (refer to 3. COMPOSITION/INFORMATION ON INGREDIENTS for details)

Industrial Safety and Health Act (Ordinance on the Prevention of Organic Solvent Poisoning) :

Not applicable Contains no restricted substances

(refer to 3. COMPOSITION/INFORMATION ON INGREDIENTS for details)

Industrial Safety and Health Act (Dangerous Goods) :

Not applicable

Pollutant Release and Transfer Register Law (PRTR) :

Not applicable ; contains no restricted substances

(refer to 3. COMPOSITION/INFORMATION ON INGREDIENTS for details)

16. OTHER INFORMATIONS

Classification of Chemicals Based on GHS JIS Z7252:2009

Hazard Communication of Chemicals Based on GHS-Labeling and Safety Data Sheet (SDS)

GHS Category Database (National Institute of Technology and Evaluation homepage)

Japan Advanced Information Center of Safety and Health homepage

Japan Auto Chemical Industry Association (JACA) edited : Management of Chemical Substances Database

Guideline for MSDS of Auto Chemical Products (JACA)

Regulations for Carriage and Storage of Dangerous Goods in Ships (Kaibundo)

※ Attention

SDS is presented to dealers and customers as reference informations to retain safety handling of the hazardous chemical product. Dealers and customers are encouraged to refer to this information and realize the necessity to conduct appropriate measurement suitable for the actual conditions of each use with your own responsibility.

Therefore this data sheet is not a safety warranty.