SAFETY DATA SHEET

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product name: Fly Line Dressing
Product number:
Manufacturer/Supplier: White Products Co.,ltd
Address: 14-17 Shibaura 3-chome Minato-ku, Tokyo 108-0023 Japan
Phone Number: 03-3452-0231
Fax Number: 03-3454-0253
e-mail: info@white-bear.jp
Emergency Contact: 03-3452-0231
Recommendable and Limitation of Product Use: An imparting agent to increase buoyancy and lubrication for fly line (applied to fly fishing)

Section 2: HAZARDS IDENTIFICATION

GHS Classification:

Physicochemical hazards:

Flammable liquid:	Not classified
Spontaneous combustible solid:	Not classified

Health hazards:

Acute toxicity (oral) :	Not classified
Skin corrosion/irritation:	Not classified
Severe eye damage/eye irritation:	Not classified
Skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified

Environmental hazards:

Note:
Other hazard identifications beside above category are either out of the classification or unable to identify from the classification.

Pictogram or Sign: Not applicable

Signal Word: Not applicable

Hazard Statement: Ingestion may cause damaging to health.

Warning:

Safety Measures

- Obtain instructions before use.

- Do NOT handle this material without reading and understanding of all safety precautions.
- Do NOT drink, eat or smoke when using.
- Wear proper gloves, clothes, goggle and mask for protection.
- Wash hands well after handling the product.
- Keep away from fire and high temperature substance.
- Avoid breathing dust, fumes, gas, mist, vapors, and spray.
- Avoid releasing to the environment.

First Aid Measures

- For skin contact, wash it well with plenty of water and soap.
- If skin irritation occurs, get medical advice.
- For eye contact, flush with plenty of clear water and wash carefully. Remove contact lenses, if applicable and easy to remove them. And, continue to rinse it.
- If eye irritation persists, get medical attention.
- In case of ingestion, If the victim feels unwell, get medical attention.
- Rinse mouth and dilute with water.
- Never give anything by mouth
- In case of fire, remove a firing source, use proper fire extinguisher for firefighting.

Storage

- Store in well-ventilated area. Keep container tightly closed.
- Store in cool and well-ventilated area.

Disposal

- The material and container must be disposed in a safe way with the industrial disposal service that is approved by the local regulation.
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Other hazards: No information

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Single / Mixture Product: Mixture
Ingredient(s) and the quantity:

Name of Ingredient	Quantity of Ingredient (mass %)	CAS No.	Reference number of indicated material by government ordinance / cabinet order		
			Kashin-hou No	Anei-hou No.	PRTR law No.
silicone oil ①	70 to 80	63148-62-9	NA	NA	NA
silicone oil ②	20 to 30	63148-62-9	NA	NA	NA
pigment	very small amount	No data	No data	No data	No data

NA (not applicable) NC (not classified) - (not open to the public)

Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance (concentration or concentration range):

- Additives: None
- Impurities: None

Section 4: FIRST AID MEASURES

For Inhalation:

- In case of inhalation, it is mostly harmless in normal use.

Skin Contacts:

- Wash it well with plenty of water and soap.
- If skin irritation occurs, get medical advice.

Eye Contacts:

- For eye contact, flush with plenty of clear water and wash carefully. Remove contact lenses, if applicable and easy to remove them. And, continue to rinse it for minutes.
- If victim still feels eye irritation, get medical attention immediately.

For Ingestion:

- In case of ingestion, If the victim feels unwell, get medical attention.
- Rinse mouth and dilute with water.
- Never give anything by mouth.

The most important sign or symptoms:	No data
Protections of first aid practitioners:	Inform about ingredient(s) to health professionals. Wear personal protective clothing.
Note to Physicians:	Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Fire Extinguisher:

Suitable extinguishing media:

- For initial fire, use powder extinguisher, carbon dioxide, foam extinguisher, and dried sand.
- For large scale of fire, use foam extinguisher to shut down the air.

Unsuitable extinguishing media:

- The straight stream of water may cause creating larger fire.

Fire and Explosive Hazardous

- Avoid inhalation of gas during fire extinction. The combustion gas may contain toxic gas such as carbon monoxide.

Method of Fire Extinction:

- The process of fire extinction must be placed from windward.
- Prohibit entry around firing area except authorized persons.
- Remove containers from firing area, if there is no danger.
- Remove a firing source, if safe to do so.
- In the case of neighboring fires, remove containers to safe place, immediately.
- Sprinkle water and cool off around facilities, in order to prevent temperature rise from radiant heat.
- Avoid accidental releasing of hazard material for environment, in result of fire extinction by using water.

Protection for Fire Fighters:

- The activity of fire extinction must be placed from windward. Avoid breathing toxic gas. Wear the proper protection for fire extinction such as gloves, apparatus, and goggles.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

- Do not touch or walk through spilled material.

Guidelines of Protections and Emergency Situation

- Confirm and isolate spilled area from all direction, immediately.
- Prohibit entry around accidental releasing area except authorized persons.
- Wear proper protection. Avoid eye and skin contact from the material. Avoid inhalation of gas. (Refer "Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION")
- Stay away from lowland. Stay upwind.
- Evacuate people downwind.
- Get fresh air before you enter in sealed area.

Environmental Precautions:

- Avoid release to the environment.

Methods for Collection and Neutralization:

- Use inert materials such as dried sand and soil to absorb spills of material. Then, keep materials into container for chemical waste.

Methods for Containment and Clean-Up

- For small spills, use adsorbent such as soil, sand, or towel to absorb spills of material, and remove it well with towel.
- For large spills, avoid releasing and lead spilled material into safe place by using soil. Then, keep materials into container.

Method to Avoid Secondary Accident:

- Prevent releasing if safe to do so.
- Prevent entry into confined areas such as drainage, sewer, and basement.
- Eliminate all firing sources.
- Report to related organizations, in order to prevent further damage, if necessary.

Section 7: HANDLING AND STORAGE

Handling:

Engineering Control

- Wear protections and apply facility guidelines which are indicated at “Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Local Exhaust Ventilation/General Ventilation

- Require local exhaust and general ventilated system and apply facility guidelines which are indicated at “Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION”.

- Get fresh air, when it is warmed up at 150℃ or above in atmosphere.

Precaution for safety handling

- Obtain instructions before use.
- Do NOT handle this material without reading and understanding of all safety precautions.
- Handle a container with care. Do NOT overturn, fall down, shock, and break containers.
- Do NOT drink, eat or smoke when using.
- Avoid breathing mist, vapors, and spray.
- Avoid skin contact.
- Avoid eye contact.
- Avoid inhalation.
- Handle it outside or only in well-ventilated place.
- Keep away from firing source such as fire, static electricity, sparks - No smoking.
- Apply conductive work clothes and safety boots for electrostatic discharge.
- Avoid releasing of liquid and scattering of vapor as much as possible.
- Wear proper protections to avoid contact and inhalation.
- Require anti-explosive type for all electric facilities, ventilated system, and lighting equipment.
- Avoid contact with oxidizer and other incompatible hazard materials.
- Wash hands well after use of the product.
- Get fresh air. This material may generate Formaldehyde, when it is warmed up at 150 and above in atmospheres.

Avoid Contact

- Refer to "Section 10: STABILTIY AND REACTIVITY

Storage:

Engineering Control

- The storage area such as wall, pillar, and floor must be fire-proof construction.
- The roof of storage area must be non-combustible material with metal sheets or other light weight of non-combustible materials to seal. Do NOT construct the ceiling.
- The floor of storage area must be constructed to avoid hazardous material to be penetrated into.
- The storage area must be clean and avoid contamination.
- Apply daylighting and ventilated system in storage area.
- Require anti-explosive type for all electric facilities, ventilated system, and lighting equipment.

Incompatible Hazard Material

- Refer to "Section 10: STABILTIY AND REACTIVITY"

Storage Condition

- Keep away from oxidizer.
- Keep away from fire and hot surface in storage area.
- Keep container tightly closed, store in cool, well-ventilated area.
- Keep away from the sunlight and avoid high temperature and humidity.
- Keep away from incompatible hazard materials, foods, and feedstocks.
- For safety alert, "Keep Fire Away" sign must be indicated in a storage area for hazard materials, if necessary.
-

Precautions for Materials of Container: The container must be regulated by Fire Act.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingriedient(s)	Control level	Permissible Exposure Limit (exposure limit, and exposure index by biological monitoring)	
		Japan Society for Occupational Health	ACGIH
silicone oil ①	Not Set	Not Set	Not Set
silicone oil ②	Not Set	Not Set	Not Set
pigment	No Data	No Data	No Data

Facility Guideline:

- Require a shower room, bathroom, and washstand for eye washing near handling area.
- Require local exhaust ventilation and sealing apparatus to avoid exposure.
- Follow Fire Service Act.

Personal Protective Equipment:

- Respiratory Protection: Wear a proper respirator.
- Hand Protection: Wear proper gloves.
- Eye Protection: Wear a proper protection for eyes.
- Skin and body Protection: Wear proper protective clothing.

Sanitation Guideline:

- Wash hands well after use of the product.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid
Color: blue
Odor: none
pH: No data
Melting point / Freezing point: No data
Boiling point / Initial boiling point / Boling range: No data
Flash point: >94℃(closed system)
Evaporation rate (butyl acetate=1): No data
Combustibility (solid and gas): Not applicable
Explosive Limits (upper and lower limit): No data
Vapor pressure: No data
Vapor density (air =1): Not applicable
Specific gravity: approximately 400℃
Decomposition temperature: No data
Viscosity (viscosity index): No data
Lower dust explosive limit: No data
Minimum ignition energy: No data
Volume resistivity (conductivity): No data

Section 10: STABILTIY AND REACTIVITY

Reactivity: Stable under normal temperature and pressure.
Chemical Stability: Stable under normal storage and handling condition.

Possibility of Hazardous Reactions: No hazardous polymerization.
Avoidance Condition: Strong oxidizer
Hazardous Decomposition Products:

- In case of heating or combusting the material, carbon monoxide and nitrogen oxides may be generated by incomplete combustion.
  - In resulting of combusting the material, it may generate carbon monoxide, carbon dioxide, and silicon dioxide.
  - In resulting of heating the material, it may generate very small amount of Formaldehyde.

Physicochemical information as a mixture

Hazard items	Classification result	Classification basis / problems
Explosive material	Not applicable	There is no atomic group that relates with combativity within molecular.
Combustible and flammable gas	Not applicable	It is defined as liquid material in GHS.
Aerosol	Not applicable	It is not aerosol product.
Combustible / Oxidizing gas	Not applicable	It is defined as liquid material in GHS.
High pressure gas	Not applicable	It is defined as liquid material in GHS.
Flammable liquid	Not classified	The lowest flash point was 208℃. Therefore, it is not classified.
Combustible solid	Not applicable	It is defined as liquid material in GHS.
Pyrophoric chemical substance	Not applicable	There is no atomic group that relates with combativity and self-reactivity within molecular.
Pyrophoric liquid	Not classified	The lowest ignition point of nearly 100 % of ingredient(s) in this product was approximately 400℃ or above. Therefore, it is not classified.
Pyrophoric solid	Not applicable	It is defined as liquid material in GHS.
Self-heating chemical substance	Cannot be classified	There is no proper testing method for liquid material.
Chemical substance which, in contact with water, emit flammable gas	Cannot be classified	It does not contain either metal or semi-metal. (B, Si, P, Ge, As, Se, Sn, Sb, Te, Bi, Po, At)
Oxidizing liquid	Cannot be classified	It does not contain fluorine and chlorine. It contains oxygen, although, this element does not form chemical bond with elements except carbon and hydrogen.
Oxidizing solid	Not classified	It does not contain fluorine and chlorine. It contains oxygen, although, this element does not form chemical bond with elements except carbon and hydrogen.
Organic peroxide	Cannot be classified	It is an organic compound which does not contain peroxide structure within molecular.
Corrosive to metal	Cannot be classified	No data

*For more details about physiochemical information for each substance, please refer to attached document.

Section 11: TOXICOLOGY INFORMATION

Effects of toxicology and component analysis for each substance:

Hazard items	Classification result	Classification basis / problems
Acute toxicity (oral)	Not classified	Rat LD50>5g/kg
Acute toxicity (skin)	Cannot be classified	No data
Acute toxicity (inhalation: gas)	Not applicable	It is defined as liquid material in GHS.
Acute toxicity (inhalation: vapor)	Cannot be classified	No data
Acute toxicity (inhalation: dust)	Cannot be classified	No data
Acute toxicity (inhalation: mist)	Cannot be classified	No data
Skin corrosion/irritation	Not classified	No irritation (rabbit)
Severe eye damage/eye irritation	Not classified	No irritation (rabbit)
Respiratory sensitization	Cannot be classified	No data
Skin sensitization:	Not classified	No sensitization (guinea pig)
Germ cell mutagenicity	Not classified	Negative (microorganism) (estimated from a similar product)
Carcinogenicity	Not classified	None (estimated from a similar product)
Reproductive toxicity	Cannot be classified	No data
Specific target organ systemic toxicity– (single exposure)	Cannot be classified	No data
Specific target organ systemic toxicity – (repeated exposure)	Cannot be classified	No data
Aspiration hazard	Cannot be classified	No data

Other information (Not applicable to GHS classification)

*For more details about physiochemical information for each substance, please refer to attached document.

Section 12: ECOLOGICAL INFORMATION

Effects of environment hazard and component analysis for each substance:

Hazard items	Classification result	Classification basis / problems
Hazardous to the aquatic environment (acute)	Cannot be classified	No data
Hazardous to the aquatic environment (chronic)	Cannot be classified	No data
Hazardous to the ozone layer	Cannot be classified	Does not contain any ingredients to the Montreal Protocol. Therefore, classification is impossible.

*For more details about ecological hazardous information for each substance, please refer to attached document.

Section 13: DISPOSAL CONSIDERATION

Disposal Method for Material Waste:

- Before dispose, the material must be harmless, stabilized, and neutralized. And, the hazardous level must be reduced as much as possible.
- Follow the related law and local regulation.
- Dispose of waste by disposal service in accordance with all local and national laws and regulations. Submit an industrial disposal ticket (manifest) to disposal service.
- Announce hazardous and toxicity of the ingredient to industrial disposal service, then, material waste must be disposed in a safe way.

- Do NOT dispose the waste liquid directly into the ground and drainage.

Disposal Method for Container:

- Wash container, then, recycle or dispose in accordance with all applicable regulations.
- Eliminate materials, completely, then, dispose in accordance with all applicable regulations.

Disposal Method for Container:

- Wash container, then, recycle or dispose in accordance with all applicable regulations.
- Eliminate materials, completely, then, dispose in accordance with all applicable regulations.

Section 14: TRANSPORTATION INFORMATION

International Regulation:

Regulation of Maritime Transportation: Follow regulation of IMO.

- UN Number: -
- Proper Shipping Name: -
- Class: -
- Packing Group: -
- Marine Pollutant: Not applicable

Regulation of Air Transportation: Follow regulations of ICAO and IATA.

- UN Classification: -
- Proper Shipping Name: -
- Class: -
- Packing Group: -

Domestic Regulation:

Regulation of Land Transportation: Follow Fire Service Act.

Regulation of Maritime Transportation: Follow Ship Safety Law Not applicable

- UN Number: -
- Proper Shipping Name: -
- Class: -
- Container Grade: -
- Marine Pollutant: Not applicable

Regulation of Air Transportation: Follow Civil Aeronautics Law.

- UN Number: -
- Proper Shipping Name: -
- Class: -
- Container Grade: -

Specific Safety Measures and Conditions during Transportation

- When transport greater than specified quantity, display indication of “danger” to both the front and rear of a vehicle. And apply firefighting equipment
- Indicate hazard classification, shipping name, quantity, hazard class, and indication of “Keep Fire Away” on the shipping container and external packaging.

- Do NOT mixed load with hazard material of Class 1 and Class 6, and high-pressure gas.
- Shipping container must be accordance with regulation of hazard material shown in table 3 of chapter 2 (except tanker, tank truck, and tank lorry)
- Follow Fire Service Act.
- Prevent breaking of loaded containers. Do NOT drop, overturn, fall down, and break containers.
- Avoid friction or shock on shipping containers during transportation.
- For safe transportation, avoid direct sunshine. Load and handle containers with care. Prevent corruption of loaded containers. Make sure there is no leakage of materials from container.
- In case of accident such as spills of hazardous material during transportation, apply emergency procedures to prevent it, and report to fire department and related local regulation
- Do NOT load foods and livestock feeds with this product.
- For safe transportation, avoid direct sunshine. Load and handle containers with care. Prevent corruption of loaded containers. Make sure there is no leakage of materials from container.
- Do NOT overlaying a heavy load.

Emergency response guidebook (Yellow Card Container Guide Number): Not applicable

Section 15: REGULATORY INFORMATION

- Kashin-hou(The Law Concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances or the Chemical Substances Control Law. Reference number of indicated material by government ordinance): Not applicable
- Anei-hou (Industrial Safety and Health Act): Not applicable
- Fire Service Act: For hazardous material 3rd oil category in class 4 (Non-water-soluble liquid) Hazard gradeⅢ
- Dokugeki-hou (Poisonous and Deleterious Substances Control Law): Not applicable
- PRTR law (Pollutant Release and Transfer Register Law): Not applicable
- Ship Safety Law: Not applicable
- Civil Aeronautics Law: Not applicable
- Marine Pollution Prevention Law: Not applicable

Section 16: OTHER INFORMATION

Disaster Case: There is no valid information.

Reference:

- SDS (SAFETY DATA SHEET), published by raw material manufacturers
- The authorizing manual of SDS for chemical mixture, published (2017.01.31) by "Japan Industrial Safety and Health Association" and "Occupational health research and development center"
- Authorizing manual of labelling for "GHS JIS Z 7253", published (2013.12.10) by Japan Chemical Daily
- Guideline for GHS Classification: Authoring manual of labelling and indication, and datasheet (Japan Chemical Industry Association)
- JIS Z 7253: 2012 Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) (Japanese Standards Association / Japan Chemical Industry Association)
- SDS (Japanese Standards Association, Japan Chemical Industry Association)
- Database for GHS Classification Result and Kashin-hou (The Law Concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances or the Chemical Substances Control Law. Reference number of indicated material by government ordinance), cited from Website of NITE (National Institute of Technology and Evaluation)

  http://www.nite.go.jp/index.html

  http://www.safe.nite.go.jp/ghs/ghs_download.html

http://www.safe.nite.go.jp/jcheck/search.action?request_locale=ja

- International Chemical Safety Cards(ICSC)- Japanese version, published by NIHS(National Institute of Health Sciences)
  http://www.nihs.go.jp/index-j.html
  http://www.nihs.go.jp/ICSC/
- Japan Industrial Safety and Health Association" and "Occupational health research and development center"
  http://www.jaish.gr.jp

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Contact:
Manufacturer/Supplier: White Products Co.,ltd
Address: 14-17 Shibaura 3-chome Minato-ku, Tokyo 108-0023 Japan
Phone Number: 03-3452-0231
Fax Number: 03-3454-0253
e-mail: info@white-bear.jp
Emergency Contact: 03-3452-0231

Warning
The information contained in this document applies to maintain safety for this specific hazardous and toxic chemical product as supplied to users. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use. Therefore, the document itself may not be valid as the safety certificate for the product.

Attachment:
Silicone oil ①
Physicochemical hazard:

Hazard items	Classification result	Classification basis / problems
Pyrophoric liquid	Not classified	Ignition point: approximately 400℃

Health hazards:

Hazard items	Classification result	Classification basis / problems
Acute toxicity (oral)	Not classified	Rat LD50>5g/kg
Skin corrosion/irritation	Not classified	No irritation (rabbit) (P.I.I=0.23)
Skin sensitization:	Not classified	No sensitization (guinea pig)
Germ cell mutagenicity	Not classified	Negative (microorganism) (estimated from a similar product)
Carcinogenicity	Not classified	None (estimated from a similar product)

Environment hazard:
* Hazard item which does not state a classification result above, it may be either "Not applicable" or "Cannot be classified".

Silicone oil ②

Physicochemical hazard:

Hazard items	Classification result	Classification basis / problems
Flammable liquid	Not classified	Flash point>100℃(closed system)
Pyrophoric liquid	Not classified	Ignition point: approximately 400℃

Health hazards:

Hazard items	Classification result	Classification basis / problems
Acute toxicity (oral)	Not classified	Rat LD50>5g/kg
Skin corrosion/irritation	Not classified	No irritation (rabbit)
Severe eye damage/eye irritation	Not classified	No irritation (rabbit)
Germ cell mutagenicity	Not classified	Negative (microorganism) (estimated from a similar product)
Carcinogenicity	Not classified	None（estimated from a similar product）

Environment hazard:

* Hazard item which does not state a classification result above, it may be either "Not applicable" or "Cannot be classified".

Pigment

Physicochemical hazard:

Health hazards:

Environment hazard:

* Hazard item which does not state a classification result above, it may be either "Not applicable" or "Cannot be classified".