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| White Grease No.1,2 (TWG-400L-1,2) | SDS No. | 242155 |
| TRUSCO NAKAYAMA CORPORATION | Revision Date | Apr. 01, 2023 |

SAFETY DATA SHEET(SDS)

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name : White Grease No.1,2 (TWG-400L-1,2)
 Company Name : TRUSCO NAKAYAMA CORPORATION
 Address : 28-1 SHINBASHI 4-chome, MINATO-KU, TOKYO, JAPAN
 Phone Number : 0120-509-849
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 Mail Address : techno.center@trusco.co.jp

2 HAZARDS IDENTIFICATION

Hazards Category

Reproductive Toxicity : Category 2
 Specific Target Organ Systemic Toxicity(Single Exposure) : Category 1
 Hazardous to The Aquatic Environment(Acute) : Category 2
 Hazardous to The Aquatic Environment(Chronic) : Category 2

The one without the description cannot be classified.

Allocation of Label Elements

Pictogram

Health Hazard
Environment



Signal Word

Danger

Hazard Statement

Suspected of damaging fertility or the unborn child
 May cause harm to breast-fed children
 Cause damage to organs
 Toxic to aquatic life
 Toxic to aquatic life with long lasting effects

Precautionary Statement

Prevention

Before use, read the safe data sheet (SDS).
 Keep out of reach of children.
 Do not handle until all safety precautions have been read and understood.
 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 Do not breathe dust/fume/gas/mist/vapours/spray.
 Avoid contact during pregnancy/while nursing.
 Wash points of contact thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Avoid release to the environment.
 Wear protective gloves/protective clothing/eye protection/face protection/respiratory protection.

Response

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In case of fire : Use dry chemical, carbon dioxide(CO₂), and foam to extinguish.

IF SWALLOWED : Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

IF ON SKIN : Wash with plenty of soap and water.

If skin irritation or rash occurs : Get medical advice/attention.

IF INHALED : Remove person to fresh air and keep comfortable for breathing.

Get medical advice/attention if you feel unwell.

IF IN EYES : Rinse cautiously with water for several minutes. Get medical advice/attention.

If exposed or concerned : Get medical advice/attention.

Collect spillage.

Storage

Store locked up.

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Disposal

Dispose of contents /container in accordance with local/regional/national/international regulations.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients and Contents

| Component name | CAS number | wt% |
|-------------------------------|--------------|-------|
| White mineral oil (petroleum) | 8042-47-5 | 70~80 |
| Aluminum complex soap | Trade secret | 5~10 |
| Zinc oxide | 1314-13-2 | 5~10 |
| Calcium carbonate | 471-34-1 | 5~10 |

4 FIRST-AID MEASURES

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a physician if you feel unwell.

Skin

Wash with plenty of soap and water.

Call a physician if you feel unwell.

Eye

Immediately flush eyes with plenty of water for at least 15 minutes.

Call a physician.

Ingestion

Rinse mouth. Do not induce vomiting.

Call a physician.

5 FIRE-FIGHTING MEASURES

Extinguishing Media

Dry chemical, carbon dioxide(CO₂), and foam

Specific Fire Fighting

Must not use water to extinguish fires.

Quickly removed from the surrounding flammable.

The use of extinguishing agents specified.

Fire fighting is done from the windward.

On small fires use carbon dioxide (CO₂) or dry chemical.

On large fires use dry chemical or foam.

Sealed containers that are exposed to high temperatures over the water to cool.

Protection for Fire-fighter

Wear full body protective clothing with breathing apparatus.

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6 ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective equipments in case of operation.

Environmental Precautions

Avoid release to the environment.

Methods for Cleaning Up

Remove potential ignition source in vicinity as soon as possible.

Prepare extinguishing agent.

Prevent leakage by enclosing with nonflammables and collect into empty container by scoop or the like.

Absorbed to non-flammable dry sand, if a large amount of spill to prevent enclosed in embankment.

Spilled material is collected in a container that can be sealed, then remove to safe place.

Deposits, waste treatment is based on the local regulations.

Working from the windward, to evacuate people downwind.

7 HANDLING AND STORAGE

Handling

Use in a well ventilated area.

Keep away from heat, spark and flames.

Use spark-proof tools and explosion-proof equipment.

After handling, wash well hands and face and rinse your mouth.

Facilities storing or utilizing this material should be equipped with an eye wash facility and a safety shower.

Leakage, overflow, to prevent scattering, we do not generate steam in vain.

In the handling area and deny unnecessary entry.

Resting place shall not bring contaminated protective equipment such as gloves.

Wear protective equipments when risk of exposure occurs.

To work in an enclosed area that you work with appropriate protective equipment with a local exhaust ventilation sufficient.

Precautions

Do not breathe vapor or mist.

Handling of the outdoors, as much as possible to work from the windward.

Handling Precautions for Safety

Avoid physical damage to containers.

Keep containers securely sealed when not in use.

Storage

Fire prohibited strictly.

Keep away from sources of ignition.

Store in a cool, dry, well-ventilated area away from incompatible substances.

Separate from oxidizing materials.

Store in a tightly closed container.

Safe containers and packaging materials

None in particular.

8 EXPOSURE/PERSONAL PROTECTION

Engineering Controls

Handling equipment is used explosion-proof.

Attach an exhaust device to prevent vapor from staying.

That the equipment and shall become hot, and the source of ignition in the vicinity of the location, such as handling not been placed.

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible

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exposure limits.

Exposure Limit Values

| Chemical name | ACGIH |
|-------------------------------|--|
| White mineral oil (petroleum) | TWA 5mg/m ³ |
| Zinc oxide | TWA 2mg/m ³ (R), STEL 10mg/m ³ (R) |

Personal Protective Equipment

Respiratory Protection

Wear a gas mask for organic gas as required.

Skin Protection

Oil-resistant gloves

Eye Protection

Wear chemical worker's goggles.

Skin and body protection

Such as long-sleeved work clothes

Hygiene measures

Do not eat, drink or smoke during work.

Replacement of the adsorbent, such as the mask is performed each time or use plans.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--|---|--------------------|------------|
| Physical State | : | Semi-solid | |
| Color | : | White | |
| Odor | : | Oil odor | |
| pH | : | Not available | |
| Boiling Point(°C) | : | Not available | |
| Melting Point(°C) | : | Not available | |
| Flash point(°C) | : | 220 | (Base oil) |
| Auto-ignition Temperature(°C) | : | Not available | |
| Flammability or Explosive Limits | | | |
| Lower | : | Not available | |
| Upper | : | Not available | |
| Vapour Pressure (KPa) | : | Not available | |
| Vapour Density | : | Not available | |
| Relative density(g/cm ³) | : | 0.98 | |
| Solubility | : | Insoluble in water | |
| Partition Coefficient: n-octanol/water | : | Not available | |
| Decomposition Temperature(°C) | : | Not available | |

10 STABILITY AND REACTIVITY

Stability

Stable under normal temperatures and pressures.

Reactivity

No self-reactive

Conditions to Avoid

Heat, flames, ignition sources and incompatibles.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and other oxidized substances.

11 TOXICOLOGICAL INFORMATION

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| Chemical name | Acute toxicity (oral) | Acute toxicity (dermal) | Acute toxicity (inhalation: gas) | Acute toxicity (inhalation: vapour) | Acute toxicity (inhalation: dust, mist) | Skin corrosion / irritation | Serious eye damage / eye irritation |
|-------------------------------|-----------------------------|-----------------------------|----------------------------------|-------------------------------------|---|-----------------------------|-------------------------------------|
| White mineral oil (petroleum) | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible |
| Aluminum complex soap | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible |
| Zinc oxide | Not applicable to category | Not applicable to category | Not applicable to category | Not applicable to category | Not applicable to category | Not applicable to category | Not applicable to category |
| Calcium carbonate | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible |

| Chemical name | Respiratory/skin sensitizer | Germ cell mutagenicity | Carcinogenicity | Toxic to reproduction | Specific target organs/systemic toxicity following single exposure | Specific target organs/systemic toxicity following repeated exposure | Aspiration hazard |
|-------------------------------|---|-----------------------------|-----------------------------|-----------------------------|--|--|-----------------------------|
| White mineral oil (petroleum) | Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible |
| Aluminum complex soap | Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible |
| Zinc oxide | Respiratory sensitizer: Classification not possible; Skin sensitizer: Not applicable to category | Classification not possible | Classification not possible | Category 2 | Category 1 (respiratory organs, systemic toxicity) | Classification not possible | Classification not possible |
| Calcium carbonate | Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible | Classification not possible |

12 ECOLOGICAL INFORMATION

| Chemical name | Hazardous to the aquatic environment (Acute) | Hazardous to the aquatic environment (Chronic) | Hazard to the ozone layer |
|---------------|--|--|---------------------------|
|---------------|--|--|---------------------------|

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| White mineral oil (petroleum) | Classification not possible | Classification not possible | Classification not possible |
| Aluminum complex soap | Classification not possible | Classification not possible | Classification not possible |
| Zinc oxide | Category 1 | Category 1 | Classification not possible |
| Calcium carbonate | Classification not possible | Classification not possible | Classification not possible |

13 DISPOSAL CONSIDERATIONS

Dispose of contents /container in accordance with local/regional/national/international regulations.

14 TRANSPORT INFORMATION

UN Class

Miscellaneous dangerous substances, Class 9

UN No.

UN3077

Packing Group

III

15 REGULATORY INFORMATION

Follow all regulations in your country.

16 OTHER INFORMATION

References

JIS Z 7253 (2019)

GHS data-base (NITE)

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