

347595-1	Oil glass cleaner	First issue	2010/10/21
Ver.2	TAIHOKOHZAI CO.,LTD	Revised	2014/9/22

## SAFETY DATA SEAT (SDS)

### 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Oil glass cleaner
PRODUCT CODE	475966
MANUFACTURER	TAIHOKOHZAI CO.,LTD
ADDRESS	4-2-8 SHIBAURA, MINATO-KU TOKYO 108-0023 JAPAN
TELEPHONE No.	03-6414-5604
FAX No.	03-6414-5624
PRINCIPAL USE	OA equipment glass surface cleaner
First issue	2010/10/21
Revised	2014/9/22
BOARDING NUMBER	2
Reference number	347595-1_2

### 2 HAZARDS

#### HAZARDS CATEGORY

FLAMMABLE LIQUIDS	Category 4
REPRODUCTIVE TOXICITY	Category 2

※The one without the description cannot be classified.

#### ALLOCATION ALLOCATION OF LABEL ELEMENTS

##### PICTOGRAM

Health Hazard

##### SIGNAL WORD

Warning

##### HAZARD STATEMENT

Combustible liquid  
Suspected of damaging fertility or the unborn child

##### Precautionary statements:

###### 【Prevention】

- Do not drink and inhalation because there is harm human body.
- Be used in a well-ventilated place if inhaled, because there is harm to human body.
- Do not breath Mist/Vapours/Spray.
- Wash ... thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.

###### 【Responses】

- In case of fire, please use fire-extinguishing powder, water-soluble liquid for foam, carbon dioxide, sand.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
- IF ON SKIN: Wash with plenty of soap and water.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- ※ If you have any abnormal, please consult a physician.

###### 【Storage】

- Store in a well-ventilated place. Keep container tightly closed.
- Please keep it out of reach of children.
- Protect from sunlight. Store in a well-ventilated place.

###### 【Disposal】

- Disposal:Follow all regulations in your country.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### SUBSTANCE/MIXTURE:

- MIX

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COMPONENTS	CAS No.	CHEMICAL FORMULA	WT%
A cyclic alkyl poly siloxane	541-02-6	Cycl-(Si(CH <sub>3</sub> ) <sub>2</sub> O) <sub>5</sub>	55-65
Dimethyl silicone oil 100cs	63148-62-9	CH <sub>3</sub> ((CH <sub>3</sub> ) <sub>2</sub> SiO) <sub>n</sub> -Si(CH <sub>3</sub> ) <sub>3</sub>	35-45
2,2,4,4,6,6,8,8-octamethylcyclotetrasiloxane	556-67-2	C <sub>8</sub> -H <sub>24</sub> -O <sub>4</sub> .Si <sub>4</sub>	0.6>

—: SECRET / No DATA

#### 4 FIRST AID MEASURES

##### INHALATION:

- Move victim away from exposure and into fresh air, and keep the body relax and rest calmly.
- If drowsiness and the symptom of dizziness develop, move victim away from exposure and into fresh air, and and keep the body relax and rest calmly.
- If victim is vomiting, place on the left side with the head down.
- If respiratory symptoms develop, seek medical attention.
- If symptoms persist, seek medical attention.
- If breathing difficulties develop, oxygen should be administered by qualified personnel.
- Seek immediate medical attention.

##### SKIN:

- In case of contact with skin, flush affected area with large amounts of water and soap.
- If irritation or redness develops, seek medical attention.
- If any abnormality is felt, seek medical attention.

##### EYE:

- Immediately rinse the eye with adequate amount of clean running water least 15 minutes.
- Confirm whether the contact lens is used; remove it if used (if possible), and immediately rinse the eye with adequate amount of clean running water.
- If irritation persist, seek medical attention.

##### INGESTION:

- Rinse the mouth with water.
- Seek immediate medical attention.
- Do not vomit forcibly.
- Seek medical attention when there is a possibility that the child swallowed.
- If there is no conscious victims, do not give anything by mouth.
- Do artificial respiration and the oxygen inhalation if necessary.
- The product label or SDS should be shown to the doctor.

##### The most important symptom

- Especially, none

##### Protection to first aiders

- Especially, none

##### Note to physician

- Especially, none

#### 5 FIRE FIGHTING MEASURES

##### Extinguishing Media

- A powder, carbon dioxide, and dry sand, etc. are used for an initial fire.
- Fire-extinguishing powder, fire-extinguishing foam, carbon dioxide, and sand.
- Air is intercepted to a large-scale fire by using the fire foam.

##### Extinguishing media that do not use

- When water is used, a fire might be expanded.
- Do not use water for extinguishment.
- You must nor use cylinder shape water to extinguish fire through you may use fogged water for the purpose of cooling.

##### Danger at a fire.

- Especially, none

##### Particular fire fighting

- The extinction work is done from the windward as much as possible.
- Keep personnel removed from and upwind of fire.
- Move the article to the safe place at once.

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- Make the fire occurrence place off-limits.
- Water is jetted, and the equipment of surroundings is cooled.
- The material that influences the environment is prevented from flowing out by the water for extinction.

#### Protection for firefighters

- Wear proper equipment and avoid contact with skin and inhalation of vapor. (gloves, glasses, and mask).
- Extinguish fire from the windward and avoid the inhalation of a poisonous gas. The breath protection tool is worn according to the situation.

### 6 Accidental release measures

#### Cautions for personnel

- In the room, keep ventilating until the end of work.
- Wear the rubber glove, protective spectacles, and the protection clothes, etc. when you process it when leaking.
- Keep away personnel except for authorized ones from spillage area by stretching ropes.
- Wear proper equipment and avoid contact with skin and inhalation of vapor.
- It is noted for slippery place spilled.

#### Notes of environment

- The product that flows out is exhausted to the river etc. , and it is noted not to cause the environmental impact.

#### Collection and neutralizing

- In the case of a small amount, to remove adsorbed adsorbent (sawdust, soil, sand, cloth, etc.) Then, wipe well waste cloth, a rag like the rest, to recover the empty container that can be sealed.
- In the case of a large amount, it is possible to prevent the outflow is surrounded by embankments, and steps have been led to a safe place.
- If it is not harmful, evaporation pay careful attention fire, ventilation, etc., to diffuse. Alternatively, it is also possible to facilitate the evaporation with water spray.
- Be absorbed in sawdust or sand is a small amount of residue after recovery.
- Deposits, such as waste, to be treated on the basis of local regulations.

#### Prevention method of secondary disaster

- For the purpose of expanding prevention and prevention of accidents, report to the relevant authorities as soon as possible Accidental release.

### 7 Prevention method of secondary disaster

#### HANDLING:

##### Engineering measures

- Be sure to get the instruction manual before use.
- Read directions of the product. And, do not use it except the usage.
- Do not handle until you read and understand all safety precautions.
- Keep away from ignition sources such as heat, sparks, open flame and high temperature.

#### STORAGE:

##### Appropriate storage conditions

- Read the keeping condition of writing in the product, and keep it appropriately.
- Be stored in a well-ventilated and cool area .
- Lock in a cool place and keep it.

##### Safe container wrapping material

- Especially, none

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### MEASURES FOR EQUIPMENTS

- Install the local exhaust ventilation when steam or smoke and the mist are generated.
- Ventilate the room to the whole. Install the local exhaust ventilation in the place where a lot of generation of the poorly-ventilated space and steam exists.

COMPONENTS	ACGIH
A cyclic alkyl poly siloxane	—
Dimethyl silicone oil 100cs	—
2,2,4,4,6,6,8,8- octamethylcyclotetrasiloxane	—

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Those not listed, no data or no knowledge

Protectiv equipment

Respiration protective equipment

- Put on the protective mask. Put on the dust mask, hazard mask, and hazard mask for organic solvent, etc. if necessary.

Hands, skin and body protective equipment

- Put on the protective glove. Put on the solvent-proof of gloves and the vinyl gloves, etc. if necessary.
- If necessary, use protective clothes.

Eyes protective equipment

- Protective spectacles. If necessary, use the goggle type or protectiv equipment of face.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Clear Liquid
ODOUR	: None
pH	: None
BOILING POINT / BOILING RENGE	: 210°C(Cyclic alkyl poly siloxane)
FLASH POINT	: 78°C
SPECIFIC GRAVITY	: 0.96±0.02(25°C)
SOLUBILLITY IN WATER	: Insolble

10 Stability and reactivity

Reactivity

STABILITY

- It stabilizes usually.

HAZARDOUS REACTIONS

- May react with oxidizing substances.

CONDITIONS TO BE AVOIDED

- Heat , Heat source , Flame
- Avoid to contact with a strong oxidant.
- Contact exposure to a high temperature, high oxidizing agents, alkali metals, and the metal powder.

DANGEROUS SUBSTNACES

- Oxidized substances.

Dangerous, harmful resolution product

- Especially, none

Others

- Especially, none

11 Toxicological information

COMPONENTS	ACUTE TOXICITY (Oral)	ACUTE TOXICITY (Dermal)	ACUTE TOXICITY (Gases)	ACUTE TOXICITY (Vapours)	ACUTE TOXICITY (Dusts and Mists)	SKIN CORROSION/IRRITATION	SERIOUS EYE DAMAGE /EYE IRRITATION
A cyclic alkyl poly siloxane	—	—	—	—	—	—	—
Dimethyl silicone oil 100cs	—	—	—	—	—	—	—
2,2,4,4,6,6,8,8 - octamethylcy	—	—	—	—	—	—	—

COMPONENTS	RESPIRATORY / SKIN SENSITIZATION	GERM CELL MUTAGENICITY	CARCINOGENICITY	REPRODUCTIVE TOXICITY Additional Category lactation	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY - SINGLE EXPOSURE	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY - REPEATED EXPOSURE	Aspiration Hazard
A cyclic alkyl poly siloxane	— / —	—	—	—	—	—	—

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Dimethyl silicone oil 100cs	— / —	—	—	—	—	—	—
2,2,4,4,6,6,8,8 - octamethylcy	— / —	—	—	Category 2	—	—	—

—: Out of Category / Not Classified / Absence of Data

## 12 Ecological information

COMPONENTS	HAZARDOUS TO THE AQUATIC ENVIRONMENT (ACUTE)	HAZARDOUS TO THE AQUATIC ENVIRONMENT (CHRONIC)
A cyclic alkyl poly siloxane	—	—
Dimethyl silicone oil 100cs	—	—
2,2,4,4,6,6,8,8 - octamethylcy	—	—

—: Out of Category / Not Classified / Absence of Data

## 13 Disposal consideration

- Follow all regulations in your country.

## 14 Transport information

UN CLASS

NONE

UN packing group

NONE

UN number

NONE

Regulatory information

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

Loading method

The height of accumulation when transported is 3m or less.

Prohibit to transport at the same carrier

Oxidizing Solid and Oxidizing Liquids

Gases under pressure

Security precaution of transportation

•「Prohibition Fire」

•Damage and the leakage of the container are confirmed.

•Prevent luggage from collapsing.

•Wrap, display and transport it according to the law.

•Avoid direct sunlight.

•Prohibition wetting by water

•Do not carry laying it.

•Do not put luggage on a hot iron plate and hot ground during summer.

•Do not strike close to home to luggage.

## 15 REGULATORY INFORMATION

Follow all regulations in your country.

## 16 OTHER INFORMATION

Reference

JIS Z 7253 : 2012 Hazard communication of chemicals based on GHS-Labeling and Safety Data Sheet (SDS)

GHS classification results database (National Institute of Technology and Evaluation website)

Industrial Safety and Health Association Safety and Health Information Center website

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Chemical products 15107 (The Chemical Daily Co., Ltd.)

JACA (Japan Auto Chemical Industry Association) EDIT: Chemical Management database

Material Safety Data Sheet creation guideline revision for auto chemical products (Japan Auto Chemical Industry Association)

Storage regulations and hazardous materials transportation vessel (Kaibundo)

Handbook of industrial poisoning (Ishiyaku Co., Ltd.)

Globally Harmonized System of Classification and Labeling of Chemicals (GHS) ST/SG/AC.10/30/Rev.5

Ministry of Economy, Trade and Industry (March 2011) second edition business owners GHS Classification Guidance

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※Attention

The information contained herein is based on several references and the present state of our knowledge. All materials may present unknown hazards and should be used in caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

GHS corresponding program Ver. 6.0