

Product name:  
RHEODOL 440V

# SAFETY DATA SHEET

## 1. Product and company identification

Name of chemical (Product name): RHEODOL 440V

Product No.: B0012594

### Manufacturer/Importer/Distributor Information

#### Information on domestic manufacturer

Company Name: Kao Corporation  
Address: 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan  
Telephone: +81-3-5630-7700  
Fax: +81-3-5630-7889  
Division: Chemical Business  
E-mail: chemical@kao.co.jp

Emergency telephone number: 81-3-5630-7700

## 2. Hazard(s) identification

### GHS classification:

Not classified

### GHS label elements

**Pictograms:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable

**Prevention:** Wash thoroughly after handling. If needed, use personal protective equipment as required. This product may form partially precipitate according to the storage condition. In that case, please warm-up for melting, then use as homogeneous liquid.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor if you feel unwell.

**Storage:** Store in a well-ventilated place.

**Disposal:** -

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### 3. Composition/information on ingredients

#### Substances

**General information:** No hazardous ingredients.

Chemical name or generic name	CAS number	ISHL	ENCS	Content in percent (%)
Polyoxyethylene(40) sorbitol tetraoleate	63089-86-1	(7)-110	(7)-110	

### 4. First-aid measures

#### Description of necessary first-aid measures

**Inhalation:** Remove person to fresh air and keep comfortable for breathing.  
**Skin Contact:** Gently wash with plenty of soap and water.  
**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**Ingestion:** Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

### 5. Fire-fighting measures

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Powder, alcohol-resistant foam, water spray, carbon dioxide, sand

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:** No data available.

#### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible.

**Special protective equipment for fire-fighters:** Use goggles in combination with dust mask, and other protections as appropriate to situation.

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**6. Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures:</b>	Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.
<b>Methods and material for containment and cleaning up:</b>	Small spills: Absorb spills with sand, inert absorbent, waste cloth or sawdust. Then wipe up remainder in waste cloth. Large spills: Dike spills and dispose of in safe area.
<b>Environmental Precautions:</b>	Do not discharge into the drains, surface waters or ground water directly.
<b>Prevention of secondary hazards:</b>	Keep away from sources of ignition and prepare extinguishing media.

**7. Handling and storage**

**Handling**

<b>Technical measures (e.g. Local and general ventilation):</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.
<b>Safe handling advice:</b>	Keep away from source of ignition. This product may form partially precipitate according to the storage condition. In that case, please warm-up for melting, then use as homogeneous liquid. Use an adequate ventilation. Wash thoroughly after handling. If needed, use personal protective equipment as required.
<b>Contact avoidance measures:</b>	No data available.
<b>Hygiene measures:</b>	No data available.

**Storage**

<b>Safe storage conditions:</b>	Keep container tightly closed. Protect from sun. Store in a dark and well-ventilated place. Keep away from source of ignition.
<b>Safe packaging materials:</b>	No data available.
<b>Storage Temperature:</b>	No data available.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

**Product:** None known.

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**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection:</b>	Safety glasses
<b>Hand Protection:</b>	Material: Rubber gloves
<b>Skin and Body Protection:</b>	Full-body suit
<b>Respiratory Protection:</b>	Use as appropriate to situation.
<b>Hygiene measures:</b>	No data available.

<b>9. Physical and chemical properties</b>
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**Information on basic physical and chemical properties**

**Appearance**

<b>Physical state:</b>	Liquid
<b>Form:</b>	Liquid
<b>Color:</b>	Pale yellow, clear
<b>Odor:</b>	Slight characteristic odor
<b>Odor Threshold:</b>	No data available.
<b>Freezing point:</b>	-4 °F/-20 °C
<b>Boiling Point:</b>	> 104 °F/40 °C
<b>Flammability:</b>	No data available.

**Upper/lower limit on flammability or explosive limits**

<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	541 °F/283 °C (Cleveland open cup)
<b>Self Ignition Temperature:</b>	No data available.

<b>Decomposition Temperature:</b>	No data available.
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<b>pH:</b>	7.2 (1% solution)
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**Viscosity**

<b>Dynamic viscosity:</b>	212 mPa.s (86 °F/30 °C) 81 mPa.s (122 °F/50 °C) 39.1 mPa.s (158 °F/70 °C)
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<b>Kinematic viscosity:</b>	No data available.
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<b>Flow Time:</b>	No data available.
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**Solubility(ies)**

<b>Solubility in Water:</b>	Turbid
<b>Solubility (other):</b>	Soluble in ethyl alcohol Soluble in xylene

<b>Partition coefficient (n-octanol/water):</b>	No data available.
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<b>Vapor pressure:</b>	No data available.
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<b>Relative density:</b>	No data available.
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**Density:** 1.022 g/ml (86 °F/30 °C)  
 1.006 g/ml (122 °F/50 °C)  
 0.990 g/ml (158 °F/70 °C)

**Relative vapor density:** No data available.

**Particle characteristics**

**Particle Size Distribution:** No data available.

## 10. Stability and reactivity

**Reactivity:** No data available.

**Chemical Stability:** Stable in general.

**Possibility of hazardous reactions:** Has low reactivity.

**Conditions to avoid:** No data available.

**Incompatible Materials:** No data available.

**Hazardous Decomposition Products:** No special hazardous and harmful combustion or decomposition.

## 11. Toxicological information

### Acute toxicity (list all possible routes of exposure)

**Oral**

**Product:** LD 50 (Rat): > 2,000 mg/kg Not classified (Data on equivalent product)  
 Not classified based on available data.

**Dermal**

**Product:** Classification not possible due to insufficient data.

**Inhalation**

**Product:** Dusts, mists and fumes: Classification not possible due to insufficient data.  
 Vapour: No data available.  
 Not classified based on available data of component(s).

**Skin Corrosion/Irritation**

**Product:** OECD TG404 (Rabbit, 4 h): Not classified undiluted, (Data on equivalent product)  
 Not classified based on available data.

**Serious Eye Damage/Eye Irritation**

**Product:** OECD TG405 (Rabbit): Not classified undiluted, (Data on equivalent product)  
 Not classified based on available data.

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### Respiratory or Skin Sensitization

**Product:** Skin sensitization, GPMT Skin: (Guinea Pig): Negative (Data on equivalent product)  
Skin: Not classified based on available data.  
Respiratory: Classification not possible due to insufficient data.

### Carcinogenicity

**Product:** Classification not possible due to insufficient data.

### IARC:

No carcinogenic components identified

### NTP:

No carcinogenic components identified

### JSOH:

No carcinogenic components identified

### EU

No carcinogenic components identified

### Germ Cell Mutagenicity

#### In vitro

**Product:** Ames test (TA98, TA100, TA1535, TA1537, TA1538): Negative (Data on equivalent product)  
Classification not possible due to insufficient data.

#### In vivo

**Product:** Classification not possible due to insufficient data.

### Reproductive toxicity

**Product:** Classification not possible due to insufficient data.

### Specific Target Organ Toxicity - Single Exposure

**Product:** Classification not possible due to insufficient data.

### Specific Target Organ Toxicity - Repeated Exposure

**Product:** Classification not possible due to insufficient data.

### Aspiration Hazard

**Product:** Classification not possible due to insufficient data.

### Other effects:

No data available.

## 12. Ecological information

### Ecotoxicity:

#### Acute hazards to the aquatic environment

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**Fish**  
Product: LC 50 (Rainbow Trout, 96 h): > 100 mg/l (Data on equivalent product)  
Not classified based on available data.

**Aquatic Invertebrates**  
Product: Not classified based on available data.

**Toxicity to Aquatic Plants**  
Product: No data available.

#### Chronic hazards to the aquatic environment

**Fish**  
Product: No data available.  
Not classified based on available data of component(s).

**Aquatic Invertebrates**  
Product: No data available.  
Not classified based on available data of component(s).

**Toxicity to Aquatic Plants**  
Product: No data available.

#### Persistence and Degradability

**Biodegradation**  
Product: 52 % (28 d, OECD TG301B) (Data on equivalent product)

**BOD/COD Ratio**  
Product: No data available.

#### Bioaccumulative potential

**Bioconcentration Factor (BCF)**  
Product: No data available.

**Partition Coefficient n-octanol / water (log Kow)**  
Product: No data available.

**Mobility in soil:** No data available.

**Hazardous to the ozone layer:** No data available.

**Further Information:** No data available.

### 13. Disposal considerations

**Disposal methods:** Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor.

**Contaminated Packaging:** No data available.

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## 14. Transport information

### International regulations

**IMDG**

Not regulated.

**IATA**

Not regulated.

### National Regulations

**Domestic Standard:** In compliance with domestic law.

## 15. Regulatory information

**Law concerning Pollutant Release and Transfer Register**

Not Regulated

**Industrial Safety and Health Law**

Not Regulated

**Poisonous and Deleterious Substances Control Act**

Not Regulated

**Explosives Control Act:**

Not Regulated

**High Pressure Gas Safety Act:**

Not Regulated

**Fire Service Act:**

Designated combustible materials: Combustible liquids (2 m3)

**Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.**

Not Regulated

**Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule:**

Not Regulated

**Air Law, Enforcement Rule:**

Not Regulated

**Export Trade Control Order:**

Not Regulated



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**Inventory Status:**

US TSCA Inventory:	On or in compliance with the inventory
Canada DSL Inventory List:	Not in compliance with the inventory
Australia AICS:	Not in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
REACH (EU):	Registered
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

**16. Other Information**

**Disclaimer:**

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist. In the case of the product for fragrance, it's in accordance with the latest standard of IFRA within ordinary use. Contact with the supplier for detail information.

**Reference:**

- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) (JIS Z 7253 : 2019)
- International Chemical Safety Cards (ICSC) (Compiler's Guide) (1994)
- GHS guideline -- Labelling and Safety Data Sheet (2019) Japan Chemical Industry Association