

**Product name:**  
 RHEODOL TW-O320V

# SAFETY DATA SHEET

## 1. Identification of the substance or mixture and of the supplier

**Product name:**  
 RHEODOL TW-O320V

**Product No.:** B0008751

### Recommended use of the chemical and restrictions on use

**Recommended use:** Not known.  
**Restrictions on use:** Not known.

### Manufacturer/Importer/Supplier/Distributor Information

#### 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
Contact division:	Chemical Business
E-mail:	chemical@kao.co.jp

**Emergency telephone number:** 81-3-5630-7700

## 2. Hazard(s) identification

### GHS classification

#### Health Hazards

Skin Corrosion/Irritation Category 3

#### Unknown toxicity - Health

Acute toxicity, dermal	95 %
Acute toxicity, inhalation, dust or mist	95 %

### Label Elements

<b>Pictograms:</b>	No symbol
<b>Signal Word:</b>	Warning
<b>Hazard Statement:</b>	Causes mild skin irritation.

### Precautionary Statements

<b>Prevention:</b>	Wash thoroughly after handling. If needed, use personal protective equipment as required.
<b>Response:</b>	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. If skin irritation occurs: Get medical advice/attention. Call a

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POISON CENTER/doctor if you feel unwell.

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

**Disposal:** -

**Other hazards which do not result in GHS classification:** None.

### 3. Composition/information on ingredients

#### Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)
聚氧乙烯-20 脱水山梨醇酐三油酸酯 Polyoxyethylene(20) sorbitan trioleate	-	9005-70-3	

### 4. First-aid measures

#### Description of 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.  
**Personal Protection for First-aid Responders:** No data available.

#### Most important symptoms and effects, both acute and delayed

**Symptoms:** No data available.  
**Hazards:** No data available.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** Get medical attention if symptoms occur.

### 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.  
**Special hazards arising from the substance or mixture:** No data available.

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**Special protective equipment and precautions for fire-fighters**

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.

**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>Accidental release measures:</b>	Keep away from sources of ignition and prepare extinguishing media.
<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.

**7. Handling and storage**

**Handling**

<b>Technical measures:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
<b>Local/Total ventilation:</b>	Use an adequate ventilation.
<b>Safe handling advice:</b>	Keep away from source of ignition. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required.
<b>Contact avoidance measures:</b>	No data available.

**Storage**

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

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## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

**Engineering measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.

#### 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.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	Liquid
<b>Form:</b>	Viscous liquid
<b>Color:</b>	Yellow
<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.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	599 °F/315 °C (Cleveland open cup)
<b>Self Ignition Temperature:</b>	> 212 °F/100 °C
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	8.6 (5% solution)

#### Viscosity

<b>Dynamic viscosity:</b>	440 mPa.s (68 °F/20 °C) 245 mPa.s (86 °F/30 °C) 150 mPa.s (104 °F/40 °C)
<b>Kinematic viscosity:</b>	No data available.

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<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Gel
<b>Solubility (other):</b>	Soluble in ethanol and n-hexane Poorly soluble in xylene
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	1.032 g/ml (68 °F/20 °C) 1.024 g/ml (86 °F/30 °C) 1.016 g/ml (104 °F/40 °C)
<b>Relative vapor density:</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable in general.
<b>Possibility of hazardous reactions:</b>	Has low reactivity.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No special hazardous and harmful combustion or decomposition.

## 11. Toxicological information

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

#### Oral

**Product:** LD 50 (Rat): > 36 g/kg (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:** No data available.

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**Components:**

聚氧乙烯-20 脱水山梨醇  
 酐三油酸酯  
 Polyoxyethylene(20)  
 sorbitan trioleate

Category 3: (99)

**Serious Eye Damage/Eye Irritation**

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

**Respiratory or Skin Sensitization**

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

**Carcinogenicity**

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

**Germ Cell Mutagenicity**

**In vitro**

**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:** No data available.

**Other effects:**

No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** LC 50 (Rainbow Trout, 96 h): 120 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.

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### 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:** 53 % (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.

**Other adverse effects:** 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.

## 14. Transport information

#### IATA

Not Regulated

#### IMDG

Not Regulated

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

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

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## 15. Regulatory information

### National regulatory information:

**Regulations on Occupational Safety and Health Facilities**

**Standards for the Storage, Cleanup, Handling and Disposal of Industrial Waste.**

**Regulations on Labelling and Hazard Communication of Hazardous Chemicals**

### Inventory Status:

<b>US TSCA Inventory:</b>	On or in compliance with the inventory
<b>Canada DSL Inventory List:</b>	On or in compliance with the inventory
<b>Australia AICS:</b>	On or in compliance with the inventory
<b>Korea Existing Chemicals Inv. (KECI):</b>	Contact us for information
<b>Japan (ENCS) List:</b>	On or in compliance with the inventory
<b>Japan ISHL Listing:</b>	On or in compliance with the inventory
<b>Philippines PICCS:</b>	On or in compliance with the inventory
<b>China Inv. Existing Chemical Substances:</b>	On or in compliance with the inventory
<b>REACH (EU):</b>	Contact us for information
<b>Taiwan Chemical Substance Inventory:</b>	On or in compliance with the inventory

## 16. Other Information

**Issue Date:** 2022.08.31

**Version #:** 1.0

### Organization that prepared the SDS and SDS Author:

**SDS Author:** Kao (Taiwan) Corporation  
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 23143, Taiwan R.O.C.  
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**Further Information:** No data available.

**References:** No data available.

**Revision Information** Not relevant.

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**Reference:**  
(99): Internal study data