

Product name:
 RHEODOL TW-S120V

CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

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

Product name:
 RHEODOL TW-S120V

Product No.: B0008738

Recommended use and restriction on use

Recommended use: Polyoxyethylene(20) sorbitan monostearate.
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

Emergency Overview: Yellow Liquid(solid in winter(under 20C)). Odor: Slight characteristic odor. Hazard statements: Not classified Notes to physician: Get medical attention if symptoms occur.

GHS classification

Not classified

Label Elements

The substance or product does not require a hazard warning label in accordance with the GHS directive.

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 dissolving, then use as homogeneous liquid.

Product name:
 RHEODOL TW-S120V

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/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 (%)
Polyoxyethylene(20) sorbitan monostearate	-	9005-67-8	97%

Composition Comments: No hazardous ingredients.

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.

Product name:
 RHEODOL TW-S120V

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.

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

Personal precautions, protective equipment and emergency procedures: Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.

Methods and material for containment and cleaning up: Cool down to solid in case of melt (be careful of heat), and then sweep or vacuum spilled materials to drums or containers.

Environmental Precautions: Do not discharge into the drains, surface waters or ground water directly.

Prevention of secondary hazards: Keep away from sources of ignition and prepare extinguishing media.

7. Handling and storage

Handling

Technical measures: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Local/Total ventilation: Use an adequate ventilation.

Safe handling advice: 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. By repeated heating, water may cause container to be apt to corrode. Once opened container, it is desirable to be used up. Use an adequate ventilation. Wash thoroughly after handling. If needed, use personal protective equipment as required.

Product name:
 RHEODOL TW-S120V

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Keep container tightly closed. Store in a well-ventilated place. Keep away from source of ignition.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Appropriate Engineering Controls: 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

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

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

- Physical state:** Liquid
- Form:** Liquid(solid in winter(under 20C))
- Color:** Yellow
- Odor:** Slight characteristic odor
- Odor Threshold:** No data available.
- Freezing point:** 23.5 °C/74.3 °F
- Boiling Point:** > 40 °C/104 °F
- Flammability:** No data available.
- Upper/lower limit on flammability or explosive limits**
- Explosive limit - upper:** No data available.

Product name:
 RHEODOL TW-S120V

Explosive limit - lower:	No data available.
Flash Point:	277 °C/531 °F (Cleveland open cup)
Auto-ignition temperature:	> 100 °C/212 °F
Decomposition Temperature:	No data available.
pH:	7(5% solution)
Viscosity	
Dynamic viscosity:	86 mPa.s at 70 °C/158 °F 58 mPa.s at 80 °C/176 °F 48 mPa.s at 90 °C/194 °F
Kinematic viscosity:	No data available.
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	Soluble(10%, 25C)
Solubility (other):	Soluble in ethyl alcohol Insoluble in n-hexane and turbid in xylene
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	1.041 g/ml at 70 °C/158 °F 1.030 g/ml at 80 °C/176 °F 1.0192 g/ml at 90 °C/194 °F
Relative vapor density:	No data available.
Particle characteristics	
Particle Size:	No data available.
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 data available.

Product name:
RHEODOL TW-S120V

11. Toxicological information

Acute toxicity (list all possible routes of exposure)

Oral

Product: LD 50 (Mouse): > 15 g/kg (Data on equivalent product)
Not classified based on available data.

Dermal

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

Inhalation

Product: Dust and mist: 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.
Not classified based on available data of component(s).

Serious Eye Damage/Eye Irritation

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

Respiratory or Skin Sensitization

Product: Skin: No data available.
Not classified based on available data of component(s).
Respiratory: Classification not possible due to insufficient data.

Carcinogenicity

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

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

Specific Target Organ Toxicity - Single Exposure

Product: Classification not possible due to insufficient data.

Specific Target Organ Toxicity - Repeated Exposure

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

Aspiration Hazard

Product: Classification not possible due to insufficient data.

Product name:
 RHEODOL TW-S120V

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish
Product: Classification not possible due to insufficient data.

Aquatic Invertebrates
Product: Classification not possible due to insufficient data.

Toxicity to Aquatic Plants
Product: No data available.

Chronic hazards to the aquatic environment

Fish
Product: Classification not possible due to insufficient data.

Aquatic Invertebrates
Product: Classification not possible due to insufficient data.

Persistence and Degradability

Biodegradation
Product: No data available.

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.

Product name:
 RHEODOL TW-S120V

14. Transport information

IMDG

Not Regulated.

IATA

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.

15. National and international regulatory information

Should comply with local regulations in respect of this product.

China. Catalog of Hazardous Chemicals

Not Regulated

China. Precursor Chemicals (Decree No. 445 of the PRC on Regulation for Administration of Precursor Chemicals, Appendix: Categories 1-3)

Not Regulated

China: CWC. Controlled Chemicals List (Regulations on the Administration of Controlled Chemicals, Decree No. 190, Dec. 27, 1995, as amended)

Not Regulated

China. Explosive Precursor Hazardous Chemicals (Ministry of Public Safety, 2011 version)

Not Regulated

Inventory Status:

US TSCA Inventory:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
Australia AICS:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	Contact us for information
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):	Contact us for information
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

16. Other Information

Version #: 1.0

Product name:
RHEODOL TW-S120V

Revision Date: 19.10.2023

Issue Date: 19.10.2023

Further Information: No data available.

Revision Information Not relevant.

Training information No data available.

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