

# SAFETY DATA SHEET

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

**GHS Product identifier:** EXCEL VS-95

**Other means of identification**

**SDS number:** B0002058

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

**Recommended use:** Not available.

**Recommended restrictions:** Not known.

**Supplier's details**

**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**

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.

**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 (%)
Glycerol monostearate		31566-31-1	

**Composition Comments:** No hazardous ingredients.

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Skin Contact:</b>	Gently wash with plenty of soap and water.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion:</b>	Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
<b>Personal Protection for First-aid Responders:</b>	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:** Water spray, powder

**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

<b>Special fire-fighting procedures:</b>	Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible.
<b>Special protective equipment for fire-fighters:</b>	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. Keep upwind.
<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>	Prevent dispersion of dust. Sweep or vacuum by dust-explosion-proof type cleaner.
<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 local exhaust ventilation, in case of generation of dust.
<b>Safe handling advice:</b>	Keep away from source of ignition. Avoid inhalation of fine dust . Use an adequate ventilation. Wash thoroughly after handling. If needed, use personal protective equipment as required. Prevent generation of dust. This material may cause risk of dust explosion.
<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.

**8. Exposure controls/personal protection****Control Parameters****Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values	Source
Glycerol monostearate - Inhalable fraction.	TWA	10 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values, as amended (03 2017)
Glycerol monostearate - Respirable fraction.	TWA	3 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values, as amended (03 2017)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

**Appropriate Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use local exhaust ventilation, in case of generation of dust.

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

<b>Eye/face protection:</b>	Safety glasses with side shield(Safety goggles or Face shield)
<b>Hand Protection:</b>	Rubber gloves
<b>Other:</b>	Full-body suit
<b>Respiratory Protection:</b>	Use dust mask, 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>	Solid
<b>Form:</b>	Powder
<b>Color:</b>	White
<b>Odor:</b>	Slight characteristic odor
<b>Odor Threshold:</b>	No data available.
<b>Melting Point:</b>	151.7 °F/66.5 °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>	433 °F/223 °C (Cleveland open cup)
<b>Self Ignition Temperature:</b>	> 212 °F/100 °C
<b>Decomposition Temperature:</b>	No data available.

<b>pH:</b>	7.7 (5% solution)
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	27.1 mPa.s (176 °F/80 °C) 14.1 mPa.s (212 °F/100 °C) 9.3 mPa.s (248 °F/120 °C)
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble in water
<b>Solubility (other):</b>	Insoluble in n-hexane Poorly soluble in ethanol and 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>	0.912 g/ml (176 °F/80 °C) 0.899 g/ml (212 °F/100 °C) 0.886 g/ml (248 °F/120 °C)
<b>Vapor density (air=1):</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>	No data available.
<b>Possibility of hazardous reactions:</b>	Has low reactivity. Has no self-reactivity.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

## 11. Toxicological information

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

<b>Oral</b>	
<b>Product:</b>	No data available. Not classified based on available data of component(s).

### Dermal

<b>Product:</b>	Classification not possible due to insufficient data.
<b>Inhalation Product:</b>	Dusts, mists and fumes: Classification not possible due to insufficient data. Vapour: Classification not possible due to insufficient data.
<b>Skin Corrosion/Irritation Product:</b>	Classification not possible due to insufficient data.
<b>Serious Eye Damage/Eye Irritation Product:</b>	, Classification not possible due to insufficient data.
<b>Respiratory or Skin Sensitization Product:</b>	Skin: Classification not possible due to insufficient data. Respiratory: Classification not possible due to insufficient data.
<b>Carcinogenicity Product:</b>	Classification not possible due to insufficient data.
<b>IARC:</b>	No carcinogens present or none present in regulated quantities
<b>Germ Cell Mutagenicity</b>	
<b>In vitro Product:</b>	Classification not possible due to insufficient data.
<b>In vivo Product:</b>	Classification not possible due to insufficient data.
<b>Reproductive toxicity Product:</b>	Classification not possible due to insufficient data.
<b>Specific Target Organ Toxicity - Single Exposure Product:</b>	Classification not possible due to insufficient data.
<b>Specific Target Organ Toxicity - Repeated Exposure Product:</b>	Classification not possible due to insufficient data.
<b>Aspiration Hazard Product:</b>	No data available.
<b>Other effects:</b>	No data available.

## 12. Ecological information

### Ecotoxicity:

#### Acute hazards to the aquatic environment:

<b>Fish Product:</b>	Classification not possible due to insufficient data.
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#### **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.

#### **Toxicity to Aquatic Plants**

**Product:** No data available.

#### **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 K<sub>ow</sub>)**

**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. This product may cause risk of dust explosion.

#### **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.

## 15. Regulatory information

**Safety, health and environmental regulations specific for the product in question**

**Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547)**

Not Regulated

**Thailand. List of Hazardous Substances (Notification of Ministry of Industry Re: List of Hazardous Substances B.E. 2556, Annex: Schedules 1 - 6)**

Not Regulated

### 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, including date of preparation or last revision

<b>Issue Date:</b>	13.10.2022
<b>Version #:</b>	1.0
<b>Source of information:</b>	No data available.
<b>Further Information:</b>	No data available.

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