

# SAFETY DATA SHEET

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

**GHS Product identifier:** ELEC TS-3B

**Other means of identification**

**SDS number:** A0000287

**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**

**Health Hazards**

Serious Eye Damage/Eye Irritation Category 2B

**Unknown toxicity - Health**

Acute toxicity, dermal 24.87 %

Acute toxicity, inhalation, dust or mist 100 %

**Environmental Hazards**

Acute hazards to the aquatic environment Category 1

Chronic hazards to the aquatic environment Category 2

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment 0 %

Chronic hazards to the aquatic environment 0 %

**Label Elements**

**Pictograms:**



**Signal Word:** Warning

**Hazard Statement:** Causes eye irritation.  
 Very toxic to aquatic life.  
 Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:** Wash thoroughly after handling. Avoid release to the environment.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. Collect spillage.

**Storage:** -

**Disposal:** Passed to a licensed waste contractor.

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

**3. Composition/information on ingredients**

**Mixtures**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)
Stearyldiethanolamine	-	Trade Secret	

**Trade secret information:** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

**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. Get medical attention if symptoms persist.
- 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:** Water spray, powder

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

**Special hazards arising from the substance or mixture:** Produce irritating or toxic gases in a fire.

**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. Do not flow the materials causing adverse effects into the environment with effluent fire extinguishing agents.

**Special protective equipment for fire-fighters:** Use goggles in combination with dust mask, and other protections as appropriate to situation. Risk of producing harmful gases such as carbon monoxide and nitrogen oxides. Avoid inhalation of smoke or gases.

**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.

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

**Methods and material for containment and cleaning up:** Sweep or vacuum spills to drums or containers.

**Environmental Precautions:** Avoid release to the environment.

**7. Handling and storage**

**Handling**

**Technical measures (e.g. Local and general ventilation):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.

**Safe handling advice:** Keep away from source of ignition. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required.

**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**

Chemical Identity	Type	Exposure Limit Values	Source
Glycerol monostearate	V_TLV_ID	10 mg/m3	Indonesia. OELs (Minister of Manpower and Transmigration Regulation No.5 of 2018 concerning Work Safety and Health, Annex III), as amended (04 2018)
Silica	V_TLV_ID	3 mg/m3	Indonesia. OELs (Minister of Manpower and Transmigration Regulation No.5 of 2018 concerning Work Safety and Health, Annex III), as amended (04 2018)
	V_TLV_ID	10 mg/m3	Indonesia. OELs (Minister of Manpower and Transmigration Regulation No.5 of 2018 concerning Work Safety and Health, Annex III), as amended (04 2018)
Glycerol monostearate - Inhalable fraction.	TWA	10 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2017)
Glycerol monostearate - Respirable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2017)
Silica - Inhalable particles.	TWA	10 mg/m3	US. ACGIH Threshold Limit Values, as amended (01 2021)
Silica - Respirable particles.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values, as amended (01 2021)

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 an adequate ventilation.

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

**Eye/face protection:** Safety glasses

**Hand Protection:** Rubber gloves

**Other:** 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

<b>Physical state:</b>	Solid
<b>Form:</b>	Granules
<b>Color:</b>	White

**Odor:** Slight characteristic odor

**Odor Threshold:** No data available.

**Melting Point:** 135 - 145 °F/57 - 63 °C

**Boiling Point:** > 104 °F/40 °C

**Flammability:** No data available.

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

**Explosive limit - upper:** No data available.

**Explosive limit - lower:** No data available.

**Flash Point:** 403 °F/206 °C (Cleveland open cup)

**Self Ignition Temperature:** > 212 °F/100 °C

**Decomposition Temperature:** No data available.

**pH:** 8.9 (1% suspension(Ethanol/Water=2/1))

#### Viscosity

**Dynamic viscosity:** 92 mPa.s (212 °F/100 °C)  
 76 mPa.s (248 °F/120 °C)  
 64 mPa.s (284 °F/140 °C)

**Kinematic viscosity:** No data available.

**Flow Time:** No data available.

#### Solubility(ies)

**Solubility in Water:** Insoluble in water

**Solubility (other):** Soluble in ethanol and toluene  
 Soluble in acetone and chloroform

**Partition coefficient (n-octanol/water):** No data available.

**Vapor pressure:** No data available.

**Relative density:** No data available.

**Density:** 0.876 g/ml (158 °F/70 °C)  
 0.87 g/ml (176 °F/80 °C)  
 0.865 g/ml (194 °F/90 °C)

**Vapor density (air=1):** No data available.

#### Particle characteristics

**Particle Size:** No data available.

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

## 10. Stability and reactivity

**Reactivity:** No data available.

<b>Chemical Stability:</b>	No data available.
<b>Possibility of hazardous reactions:</b>	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.

<b>11. Toxicological information</b>
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**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:** LD 50 (Mouse, Male): > 5,000 mg/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:** OECD TG404 Rabbit, 4 h: Non irritant undiluted  
 Not classified based on available data.

**Serious Eye Damage/Eye Irritation**

**Product:** Rabbit: Mild irritant undiluted

**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.

**IARC:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity**

**In vitro**

**Product:** Ames test (TA98, TA100): Negative  
 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:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

Stearyldiethanolamine      Category 1: (88)

**Chronic hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

Stearyldiethanolamine      Category 1: (88)

### Persistence and Degradability

**Biodegradation**  
**Product:** 87 % (28 d, OECD TG301B) Readily biodegradable

**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. Incinerate with little portions. Risk of producing harmful gases such as carbon monoxide and nitrogen oxides.

**Contaminated Packaging:** No data available.

## 14. Transport information

### IMDG

UN Number:	UN 3077
UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Stearyldiethanolamine)
Transport Hazard Class(es)	
Class:	9
Label(s):	9
EmS No.:	F-A, S-F
Packing Group:	III
Limited quantity	5.00KG
Excepted quantity	E1
Environmentally Hazardous:	Yes
Marine Pollutant:	Yes
Special precautions for user:	Not regulated.



### IATA

UN Number:	UN 3077
UN Proper Shipping Name:	Environmentally hazardous substance, solid, n.o.s.(Stearyl diethanolamine)
Transport Hazard Class(es):	
Class:	9
Label(s):	9MI (Miscellaneous)
Packing Group:	III
Excepted quantity	E1
Environmentally Hazardous:	Yes
Marine Pollutant:	No
Special precautions for user:	Not regulated.
Other information	
Passenger and cargo aircraft:	Allowed. 956
Cargo aircraft only:	Allowed. 956

### National Regulations

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

**Emergency Response Guide Number:** 171

## 15. Regulatory information

### Federal regulations

**Indonesia. Dangerous Substances that Must be Registered (Regulation of the Minister of Health of the Republic of Indonesia)**

Not Regulated

**Indonesia. Prohibited Substances (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment II, Table 1)**

Not Regulated

**Indonesia. Restricted Substances (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment II, Table 2)**

Not Regulated

**Indonesia. Precursor Chemicals (Ministry of Industry and Trade Decree No. 647/MPP/Kep/10/2004 concerning Regulation on Import of Precursors, Attachment 1)**

Not Regulated

**Indonesia. CWC (Law of RI No. 9 of 2008 re: Prohibition on the Use of Chemicals as Chemical Weapon)**

Not Regulated

**Indonesia. Ozone Depleting Substances (ODS) (Regulation of the Minister of Trade No. 83/M-DAG/PER/1/2012, Ann. I, II & III, as amended)**

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

<b>16. Other information, including date of preparation or last revision</b>
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**Issue Date:** 08.03.2022

**Version #:** 1.0

**Source of information:** No data available.

**Further Information:** No data available.

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**Reference:** (88): ECHA-REACH Registered Substances Database