

**Product name:**  
 ELEC TS-3B

# SAFETY DATA SHEET

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

**Product name:**

ELEC TS-3B

**Product No.:** A0000287

**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**

Serious Eye Damage/Eye Irritation	Category 2B
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**Unknown toxicity - Health**

Acute toxicity, dermal	74.62 %
Acute toxicity, inhalation, vapor	49.74 %
Acute toxicity, inhalation, dust or mist	99.5 %

**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	49.74 %
Chronic hazards to the aquatic environment	49.74 %

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## 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. Call a POISON CENTER/doctor if you feel unwell. 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 (%)
硬脂酸二乙醇胺 Stearyldiethanolamine	-	Trade Secret	

## 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. Get medical attention if symptoms persist.

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**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 fire-fighters**

**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.

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## 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. 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	Form of exposure	Exposure Limit Values	Source
二氧化矽 Silica	STEL	Total dust.	15 mg/m <sup>3</sup>	TW OEL (03 2018)
	STEL	Respirable dust.	10 mg/m <sup>3</sup>	TW OEL (03 2018)
	TWA	Total dust.	10 mg/m <sup>3</sup>	TW OEL (03 2018)
	TWA	Respirable dust.	5 mg/m <sup>3</sup>	TW OEL (03 2018)

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.

- 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

- 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.

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## 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
<b>Odor:</b>	Slight characteristic odor
<b>Odor Threshold:</b>	No data available.
<b>Melting Point:</b>	57 - 63 °C/135 - 145 °F
<b>Boiling Point:</b>	>40 °C/104 °F
<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>	206 °C/403 °F (Cleveland open cup)
<b>Auto-ignition temperature:</b>	>100 °C/212 °F
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	8.9 (1% suspension(Ethanol/Water=2/1))

#### Viscosity

<b>Dynamic viscosity:</b>	92 mPa.s (100 °C/212 °F) 76 mPa.s (120 °C/248 °F) 64 mPa.s (140 °C/284 °F)
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.

#### Solubility(ies)

<b>Solubility in Water:</b>	Insoluble in water
<b>Solubility (other):</b>	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 (70 °C/158 °F)  
 0.87 g/ml (80 °C/176 °F)  
 0.865 g/ml (90 °C/194 °F)

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

#### Particle characteristics

<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.

#### Other information

**Heat of combustion:** >= 34 kJ/g

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## 10. Stability and reactivity

<b>Reactivity:</b>	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.

## 11. Toxicological information

### 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:** Dust and mist: Classification not possible due to insufficient data.  
 Vapour: Classification not possible due to insufficient data.

### Skin Corrosion/Irritation

**Product:** OECD TG404 Rabbit, 4 h: Non irritant undiluted  
 Not classified based on available data.

### Serious Eye Damage/Eye Irritation

**Product:** OECD TG405 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.

### 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.

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**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.

<b>12. Ecological information</b>
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**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:**

硬脂酸二乙醇胺                      Category 1: (88)  
 Stearyldiethanolamine

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**

硬脂酸二乙醇胺                      Category 1: (88)  
 Stearyldiethanolamine

**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.

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**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

#### IATA

UN Number:	UN 3077
UN Proper Shipping Name:	Environmentally hazardous substance, solid, n.o.s.(Alkyldiethanolamine)
Transport Hazard Class(es)	
Class:	9
Label(s):	9MI (Miscellaneous)
Packing Group:	III
Passenger and cargo aircraft :	956
Limited quantity	None.
Excepted quantity	E1
Environmental Hazards	
Environmentally Hazardous:	Yes
Marine Pollutant:	No
Special precautions for user:	None.
Passenger and cargo aircraft:	Allowed. 956
Cargo aircraft only :	Allowed. 956

#### IMDG

UN Number:	UN 3077
UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Alkyldiethanolamine)
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
Environmental Hazards	
Environmentally Hazardous:	Yes
Marine Pollutant:	Yes
Special precautions for user:	None.

#### 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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Emergency Response Guide Number: 171

## 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

Standards of Permissible Exposure Limits in Workplace

Rules on Road Traffic Safety

### Inventory Status:

US TSCA Inventory:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
Australia Industrial Chem. Act (AIC):	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

Issue Date: 2020.10.20

Revision Date: 2025.02.12

Version #: 3.0

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

SDS Author: Kao (Taiwan) Corporation  
10 F., No. 207, Sec 3, Pei-Hsin Rd., Hsin-Tien District, New Taipei City  
23143, Taiwan R.O.C.  
Chin chang, Wen (Director) TEL: 886-2-8665-1930

Further Information: No data available.

References: No data available.

Revision Information: Not relevant.

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**Reference:**

(88): ECHA-REACH Registered Substances Database