

Product name:
 ELEC TS-3B

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:

ELEC TS-3B

Product No.: A0000287

Recommended use and restriction on use

Recommended use: Antistatic agent
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: White Granules. Odor: Slight characteristic odor. Hazard statements: Causes eye irritation. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. Notes to physician: Get medical attention if symptoms occur.

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

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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.

Physical and Chemical Hazards: None.
Health Hazards: None.
Environmental Hazards: 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.

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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.

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

Environmental Precautions: Avoid release to the environment.

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

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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
二氧化硅	TWA	8 mg/m ³	中国《工作场所有害因素职业接触限值·化学因素》(GBZ 2.1) 修订版 (08 2019)
Silica - Inhalable particles.	TWA	10 mg/m ³	US. ACGIH Threshold Limit Values, as amended (01 2021)
Silica - Respirable particles.	TWA	3 mg/m ³	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.

Monitoring methods: No data available.

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

Physical state:	Solid
Form:	Granules
Color:	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)
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:	No data available.

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Possibility of hazardous reactions:	Has no self-reactivity.
Conditions to avoid:	No data available.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	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.

Components:

Stearyl diethanolamine Category 5: (99)

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.

Components:

Stearyl diethanolamine Category 2: (88)

Serious Eye Damage/Eye Irritation

Product: Rabbit: Mild irritant undiluted

Components:

Stearyl diethanolamine Category 2: (88)

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.

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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)

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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. (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
Environmentally Hazardous:	Yes
Marine Pollutant:	Yes
Special precautions for user:	Not regulated.

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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
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
UN Proper Shipping Name (CN):	对环境有害的固态物质, 未另作规定的 (Alkyldiethanolamine)

National Regulations

Domestic Standard: In compliance with domestic law.

Emergency Response Guide Number: 171

15. Regulatory information

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

Should comply with local regulations in respect of this product.

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16. Other Information

Issue Date: 24.02.2022

Version #: 1.0

Further Information: No data available.

Revision Information Not relevant.

Training information No data available.

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Reference:

(88): ECHA-REACH Registered Substances Database
(99): Internal study data