

Product name:  
ELEC TS-5

# SAFETY DATA SHEET

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

**Product name:**  
ELEC TS-5

**Product No.:** B0001791

### 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

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 be melted or solidified according to the storage conditions or after the long time storage. Please do not transport or store under high temperature condition.

**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:** -

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**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 (%)
甘油單硬脂酸酯 Glycerol monostearate	-	31566-31-1	

**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.

**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.

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**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. Keep upwind.

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

**Methods and material for containment and cleaning up:** Prevent dispersion of dust. Sweep or vacuum by dust-explosion-proof type cleaner.

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

**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 local exhaust ventilation, in case of generation of dust.

**Safe handling advice:** Keep away from source of ignition. In case of heating or store in heating place, the content of monoglyceride may be decreased. This product may be melted or solidified according to the storage conditions or after the long time storage. Please do not transport or store under high temperature condition. 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.

**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.

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## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

ACGIH (TLV) : 10 mg/m<sup>3</sup> TWA (inhalable particles, recommended);  
                   3 mg/m<sup>3</sup> TWA(respirable particles, recommended)  
                   (Particulates (insoluble or poorly soluble) not otherwise specified (PNOS))  
 OSHA (PEL) : 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)  
                   (Particulates not otherwise regulated)

**Engineering measures:** 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

**Eye/face protection:** Safety glasses with side shield(Safety goggles or Face shield)  
**Hand Protection:** Material: Rubber gloves  
**Skin and Body Protection:** Full-body suit  
**Respiratory Protection:** Use dust mask, as appropriate to situation.  
**Hygiene measures:** No data available.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

**Physical state:** Solid  
**Form:** Powder  
**Color:** White  
**Odor:** Slight characteristic odor  
**Odor Threshold:** No data available.  
**Melting Point:** 65 - 70 °C/149 - 158 °F  
**Boiling Point:** No data available.  
**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:** 219 °C/426 °F (Cleveland open cup)  
**Autoignition Temperature:** No data available.  
**Decomposition Temperature:** No data available.  
**pH:** Not applicable

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**Viscosity**

**Dynamic viscosity:** 44 mPa.s (80 °C/176 °F)  
 21 mPa.s (100 °C/212 °F)  
 18 mPa.s (120 °C/248 °F)

**Kinematic viscosity:** No data available.

**Flow Time:** No data available.

**Solubility(ies)**

**Solubility in Water:** Insoluble in water

**Solubility (other):** Soluble in chloroform and toluene  
 Soluble in ethyl alcohol

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

**Vapor pressure:** No data available.

**Relative density:** No data available.

**Density:** 0.912 g/ml (80 °C/176 °F)  
 0.893 g/ml (100 °C/212 °F)  
 0.875 g/ml (120 °C/248 °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:** No data available.

**Possibility of hazardous reactions:** Has low reactivity. 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 (Rat): > 2,000 mg/kg Not classified  
 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.

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**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, Not classified, undiluted  
 Not classified based on available data.

**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.

**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:** LC 50 (Rainbow Trout, 96 h): > 100 mg/l  
 Not classified based on available data.

**Aquatic Invertebrates**

**Product:** Not classified based on available data.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Chronic hazards to the aquatic environment**

**Fish**

**Product:** Classification not possible due to insufficient data.

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**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. 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**

**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**

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**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

<b>16. Other Information</b>
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**Issue Date:** 2023.03.03

**Version #:** 1.0

**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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