

## SAFETY DATA SHEET

## [1.PRODUCT AND COMPANY IDENTIFICATION]

**PRODUCT NAME** : ELEC TS-9B  
**SUPPLIER** : Kao Corporation  
**ADDRESS** : 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan  
**DIVISION** : Global Chemical Business  
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**RECOMMENDED USE AND RESTRICTIONS ON USE** :

## [2.HAZARDS IDENTIFICATION]

## GHS CLASSIFICATION

**PHYSICAL AND CHEMICAL HAZARDS** : Not classified

## HEALTH HAZARDS

**ACUTE TOXICITY (Oral)** : Not classified  
**ACUTE TOXICITY (Dermal)** : Not classified  
**ACUTE TOXICITY (Inhalation)** : Not applicable(Vapours)  
**SKIN CORROSION / IRRITATION** : Not classified  
**SERIOUS EYE DAMAGE / EYE IRRITATION** : Not classified  
**RESPIRATORY SENSITIZATION** : Classification not possible  
**SKIN SENSITIZATION** : Classification not possible  
**GERM CELL MUTAGENICITY** : Classification not possible  
**CARCINOGENICITY** : Classification not possible  
**REPRODUCTIVE TOXICITY** : Classification not possible  
**SPECIFIC TARGET ORGAN TOXICITY**  
 - SINGLE EXPOSURE : Classification not possible  
 - REPEATED EXPOSURE : Classification not possible  
**ASPIRATION HAZARD** : Classification not possible

## ENVIRONMENTAL HAZARDS

## HAZARDOUS TO THE AQUATIC ENVIRONMENT

- ACUTE HAZARD : Not classified  
 - LONG-TERM HAZARD : Classification not possible  
 - HAZARDOUS TO THE OZONE LAYER : Classification not possible

## GHS LABEL ELEMENTS

**PICTOGRAMS OR SYMBOLS** : Not applicable  
**SIGNAL WORD** : Not applicable  
**HAZARD STATEMENTS** : Not applicable

## PRECAUTIONARY STATEMENTS

**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: Gently wash with plenty of water and soap.  
 Call a POISON CENTER or doctor if you feel unwell.  
**STORAGE** : Store in well-ventilated place.  
**DISPOSAL** :

SAFE HANDLING ADVICE : Refer to SDS.

[3.COMPOSITION / INFORMATION ON INGREDIENTS]

SUBSTANCE OR MIXTURE : Mixture

INGREDIENTS AND CONCENTRATION RANGE

Ingredients	Concentration Range(%)	CAS RN
Nonionic surfactant	Confidential	Confidential
Stearyldiethanolamine	Confidential	Confidential
Other components	Confidential	

[4.FIRST-AID MEASURES]

- IN CASE OF INHALATION : Remove person to fresh air and keep comfortable for breathing.
- IN CASE OF SKIN CONTACT : Gently wash with plenty of soap and water.
- IN CASE OF EYE CONTACT : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IN CASE OF INGESTION : Call a POISON CENTER or doctor if you feel unwell.

[5.FIRE-FIGHTING MEASURES]

- EXTINGUISHING MEDIA : Water spray, powder
- NOT SUITABLE EXTINGUISHING MEDIA : No information available
- SPECIFIC HAZARDS : Produce irritating or toxic gases in a fire.
- SPECIFIC METHODS : Keep away from sources of ignition and use appropriate extinguishing media.Fight fire from upwind position if possible.
- PROTECTION OF 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 PROCEDURE : Use goggles and protective gloves.  
Large spills : Remove person to safety.  
Ensure adequate ventilation.
- ENVIRONMENTAL PRECAUTIONS : Do not discharge into the drains, surface waters or ground water directly.
- METHODS FOR CLEANING UP : Sweep or vacuum spills to drums or containers.
- PREVENTION OF SECONDARY HAZARDS : Keep away from sources of ignition and prepare extinguishing media.

[7.HANDLING AND STORAGE]

HANDLING

- TECHNICAL MEASURES : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
- PRECAUTIONS : Keep away from source of ignition.
- SAFE HANDLING ADVICE : Use an adequate ventilation.  
Wash thoroughly after handling.  
If needed, use personal protective equipment as required.

STORAGE

- SUITABLE STORAGE CONDITIONS : Store container tightly closed in well-ventilated place.  
Keep away from source of ignition.
- SAFE PACKAGING MATERIALS : No information available

**[8.EXPOSURE CONTROLS / PERSONAL PROTECTION]**

ENGINEERING MEASURES	: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.
LIMIT VALUES	
ACGIH (TLV)	: Not established
OSHA (PEL)	: Not established
PERSONAL PROTECTIVE EQUIPMENT	
RESPIRATORY PROTECTION	: Use as appropriate to situation.
HAND PROTECTION	: Rubber gloves
EYE PROTECTION	: Safety glasses
SKIN AND BODY PROTECTION	: Full-body suit
HYGIENE MEASURES	: No information available

**[9.PHYSICAL AND CHEMICAL PROPERTIES]**

APPEARANCE	
PHYSICAL STATE	: Granules
COLOUR	: Pale yellow
ODOUR	: Almost odourless
pH	: Not applicable
SPECIFIC TEMPERATURES / TEMPERATURE RANGES AT WHICH CHANGES IN PHYSICAL STATE OCCUR	
BOILING POINT	: No information available
MELTING POINT	: No information available
FLASH POINT	: 219 °C ( 426.2 °F) (CLEVELAND open cup method)
FLAMMABILITY OR EXPLOSIVE PROPERTIES	
FLAMMABILITY OR EXPLOSIVE LIMITS	: UPPER LIMIT : No information available LOWER LIMIT : No information available
VAPOUR PRESSURE	: No information available
VAPOUR DENSITY	: No information available
DENSITY (SPECIFIC GRAVITY)	: No information available
SOLUBILITY	
WATER SOLUBILITY	: Insoluble
SOLVENT SOLUBILITY	: No information available
PARTITION COEFFICIENT: n- OCTANOL / WATER (log Pow)	: No information available
AUTO-IGNITION TEMPERATURE	: No information available
DECOMPOSITION TEMPERATURE	: No information available
ODOUR THRESHOLD	: No information available
EVAPORATION RATE	: No information available
FLAMMABILITY (SOLID,GAS)	: No information available
VISCOSITY	: No information available
OTHER DATA	: No information available

**[10.STABILITY AND REACTIVITY]**

CHEMICAL STABILITY	: Stable in general.
POSSIBILITY OF HAZARDOUS REACTIONS	: No self-reactivity.
CONDITIONS TO AVOID	: No information available
INCOMPATIBLE MATERIALS	: No information available

HAZARDOUS DECOMPOSITION PRODUCTS : No information available  
OTHERS : No information available

## [11.TOXICOLOGICAL INFORMATION]

## ACUTE TOXICITY

## Oral

INFORMATION ON PRODUCT : Rat, LD50 : > 2000 mg/kg (male, female)

## Dermal

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## Inhalation

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## SKIN CORROSION / IRRITATION

INFORMATION ON PRODUCT : Rabbit, undiluted, 4 hours semi-occluded application test (OECD404) :  
Non irritant

## SERIOUS EYE DAMAGE / IRRITATION

INFORMATION ON PRODUCT : Rabbit, undiluted, OECD405 : MAS = 3.3

## RESPIRATORY OR SKIN SENSITIZATION

## RESPIRATORY

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## SKIN

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## MUTAGENICITY (GERM CELL MUTAGENICITY)

INFORMATION ON PRODUCT : Ames test (TA98, TA100) : Negative

INFORMATION ON INGREDIENTS : No information available

## CARCINOGENICITY

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

IARC : Not listed

NTP : Not listed

EU : Not listed

OSHA : Not listed

## REPRODUCTIVE TOXICITY

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## SPECIFIC TARGET ORGAN TOXICITY

## - SINGLE EXPOSURE

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## - REPEATED EXPOSURE

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## ASPIRATION HAZARD

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

OTHER INFORMATION : No information available

[12.ECOLOGICAL INFORMATION]

ECOTOXICITY : Rainbow trout, 96h, LL50 : 130 mg/L (LL = Lethal Loading Rate)  
 ACUTE HAZARD : No information available  
 LONG-TERM HAZARD : No information available  
 PERSISTENCE / DEGRADABILITY : CO2 evolution test (OECD301B) : 85 % (28 days)  
 MOBILITY IN SOIL : No information available  
 BIOACCUMULATIVE POTENTIAL : No information available  
 OTHER ADVERSE EFFECTS : No information available

[13.DISPOSAL CONSIDERATIONS]

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.

Dispose of waste in accordance with local, state and federal regulations.

[14.TRANSPORT INFORMATION]

Follow all regulations in your country or region

INTERNATIONAL REGULATIONS

UN CLASS / UN NUMBER : Not applicable (IMDG, IATA)  
 SPECIAL PRECAUTIONS FOR USER : Review "ACCIDENTAL RELEASE MEASURES (Section 6)".  
 Review "HANDLING AND STORAGE (Section 7)".  
 Ensure containers without breakage or leakage.  
 Ensure containers tightly fixed.  
 Follow all regulations in your country or region.  
 Keep away from source of ignition.

[15.REGULATORY INFORMATION]

Follow all regulations in your country or region.

INVENTORIES	:	ENCS(Japan)	Yes
		TSCA(USA)	Yes
		EINECS(EU)	Yes
		AICS(Australia)	No
		DSL(Canada)	Yes
		ECL(Korea)	Yes
		PICCS(Philippines)	Yes
		IECSC(China)	Yes

KAO Corporation is not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

[16.OTHER INFORMATION]

REFERENCE : -Safety data sheet for chemical products - Part 1: Content and order of sections(ISO 11014-1)  
 -International Chemical Safety Cards(ICSC) (Compiler's Guide)(1994)

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