

SAFETY DATA SHEET

[1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : ELEC TS-2B
 SUPPLIER : Kao Corporation
 ADDRESS : 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan
 DIVISION : Global Chemical Business
 TELEPHONE NUMBER : 81-3-5630-7700
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 EMERGENCY TELEPHONE NUMBER : 81-3-5630-7700
 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 : Category 1
 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 : Not classified
 - HAZARDOUS TO THE OZONE LAYER : Classification not possible

GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS :



SIGNAL WORD : Danger

HAZARD STATEMENTS : Causes serious eye damage

PRECAUTIONARY STATEMENTS

PREVENTION : Wear eye protection/face protection.

RESPONSE : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
 IF ON SKIN: Wash material off the skin thoroughly with 2% acetic acid and plenty of water until slimy feeling disappears.

STORAGE :
DISPOSAL :
SAFE HANDLING ADVICE : Refer to SDS.
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.

[3.COMPOSITION / INFORMATION ON INGREDIENTS]

SUBSTANCE OR MIXTURE : Mixture
INGREDIENTS AND CONCENTRATION RANGE

Ingredients	Concentration Range(%)	CAS RN
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 : Wash material off the skin thoroughly with 2% acetic acid and plenty of water until slimy feeling disappears.
IN CASE OF EYE CONTACT : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
IN CASE OF INGESTION : Call a POISON CENTER or doctor if you feel unwell.

[5.FIRE-FIGHTING MEASURES]

EXTINGUISHING MEDIA : Powder, alcohol-resistant foam, carbon dioxide, sand
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.
Avoid contact with eyes.
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.

SAFE HANDLING ADVICE	: Use an adequate ventilation. Wash thoroughly after handling. 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 goggles
SKIN AND BODY PROTECTION	: Full-body suit
HYGIENE MEASURES	: No information available

[9.PHYSICAL AND CHEMICAL PROPERTIES]

APPEARANCE	
PHYSICAL STATE	: Granules
COLOUR	: White
ODOUR	: Slightly characteristic odour
pH	: No data available
SPECIFIC TEMPERATURES / TEMPERATURE RANGES AT WHICH CHANGES IN PHYSICAL STATE OCCUR	
BOILING POINT	: No information available
MELTING POINT	: 47 - 53 °C (116.6 - 127.4 °F)
FLASH POINT	: 193 °C (379.4 °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)	: 1 g/mL (25 °C) (77 °F)
SOLUBILITY	
WATER SOLUBILITY	: Insoluble
SOLVENT SOLUBILITY	: Soluble in aromatic solvents. Soluble in chloroform and ethanol.
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 : Mouse, LD50 : > 5000 mg/kg (male) (Data on similar product)
Dermal
INFORMATION ON PRODUCT : No information available
INFORMATION ON INGREDIENTS : No information available
50% of the mixture consists of ingredients of unknown toxicity.

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) :
P.I.I. = 0.5

SERIOUS EYE DAMAGE / IRRITATION

INFORMATION ON PRODUCT : Rabbit, undiluted, OECD405 : MAS = 66.0

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 : Group 3: Not classifiable as to its carcinogenicity to humans.
Silica, amorphous

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 : 240 mg/L

PERSISTENCE / DEGRADABILITY : CO2 evolution test (OECD301B) : 76 % (28 days)

MOBILITY IN SOIL : No information available

BIOACCUMULATIVE POTENTIAL : No information available

OTHER ADVERSE EFFECTS : BOD5 : < 0.002 g/g (JIS K0102)
COD(Cr) : 2.3 g/g (JIS K0102)

[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)	Yes
	DSL(Canada)	Yes
	ECL(Korea)	Yes
	PICCS(Philippines)	Yes
	IECSC(China)	Yes
	TCSI(Taiwan)	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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