

SAFETY DATA SHEET

1. Product and company identification

Name of chemical (Product name): ELEC AC

Product No.: A0000267

Manufacturer/Importer/Distributor Information

Information on domestic 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

Intended Use: Antistatic agents for plastic products

Restrictions on use: Please refer to Sec.2, 4, 7, 8, 10 and 13.

Emergency telephone number: 81-3-5630-7700

2. Hazard(s) identification

GHS classification

Physical Hazards

Corrosive to metal Category 1

Health Hazards

Skin Corrosion/Irritation Category 1

Serious Eye Damage/Eye Irritation Category 1

Unknown toxicity - Health

Acute toxicity, oral 15.96 %

Acute toxicity, dermal 15.96 %

Acute toxicity, inhalation, dust or mist 29.09 %

Environmental Hazards

Acute hazards to the aquatic environment Category 3

Unknown toxicity - Environment

Acute hazards to the aquatic environment 15.96 %

Chronic hazards to the aquatic environment 15.96 %

Label Elements

Pictograms:

**Signal Word:**

Danger

Hazard Statement:

May be corrosive to metals.
Causes severe skin burns and eye damage.
Harmful to aquatic life.

**Precautionary Statements
Prevention:**

Keep only in original packaging. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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/ physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

Storage:

Store locked up. Store in corrosive resistant container with a resistant inner liner.

Disposal:

Passed to a licensed waste contractor.

**Other hazards which do not result in
GHS classification:** None.

3. Composition/information on ingredients**Mixtures**

Chemical name or generic name	CAS number	ISHL	ENCS	Content in percent (%)
Alkylbenzene sulfonate(Soft type)	Trade Secret	Yes	Yes	
Methanol	67-56-1	Yes	Yes	

4. First-aid measures**Description of first aid measures****Inhalation:**

Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

Skin Contact:	Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
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/doctor.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
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:	Powder, alcohol-resistant foam, water spray, carbon dioxide, sand
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.
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Methods and material for containment and cleaning up:

Small spills: Absorb spills with sand, inert absorbent, waste cloth or sawdust. Then wipe up remainder in waste cloth.
Large spills: Dike spills and dispose of in safe area. If necessary, after dilution with water, cautiously neutralize with dilute hydrochloric acid or dilute sulfuric acid, and weep or vacuum spills to containers, then flush with plenty of water.

Environmental Precautions:

Avoid release to the environment.

Prevention of secondary hazards:

No data available.

7. Handling and storage

Handling

Technical measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Iron is apt to rust. Plant equipment should be treated with rust-resist.

Local/Total ventilation:

Use an adequate ventilation.

Safe handling advice:

Avoid contact with skin and eyes. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with acids. Do not eat, drink or smoke when using the product.

Contact avoidance measures:

No data available.

Storage

Safe storage conditions:

Store locked up. Do not store with acids. Store in corrosive resistant container with a resistant inner liner. Keep container tightly closed. Store in a well-ventilated place.

Safe packaging materials:

No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Components	Type	Exposure Limit Values		Source
Methanol	TWA	200 ppm	260 mg/m3	JPJSH OEL (04 2007)
	TLV	200 ppm		JPISHL OEL (08 2006)
Methanol	STEL	250 ppm		ACGIH (2008)
	TWA	200 ppm		ACGIH (2008)

Individual protection measures, such as personal protective equipment

Eye/face protection:	Safety goggles or Face shield
Hand Protection:	Material: Gloves (alkali-resistant)
Skin and Body Protection:	Alkali-resistant protective clothing
Respiratory Protection:	Use chemical cartridge respirator for alkalines, as appropriate to situation.
Hygiene measures:	No data available.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	Liquid
Form:	Liquid
Color:	Light brown, clear
Odor:	Slightly alcohol odour
Odor Threshold:	No data available.
Freezing point:	No data available.
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:	Not detected
Auto-ignition temperature:	No data available.
Decomposition Temperature:	No data available.
pH:	12 (Undiluted solution)

Viscosity

Dynamic viscosity:	290 mPa.s at 10 °C/50 °F 130 mPa.s at 20 °C/68 °F 56 mPa.s at 30 °C/86 °F
Kinematic viscosity:	No data available.
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	Soluble
Solubility (other):	Soluble in chloroform and toluene Soluble in acetone and ethanol
Partition coefficient (n-octanol/water):	No data available.

Vapor pressure:	No data available.
Relative density:	No data available.
Density:	1 g/ml at 25 °C/77 °F
Relative vapor density:	4
Particle characteristics	
Particle Size:	No data available.
Particle Size Distribution:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Stable in general.
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:	ATEmix 2,138 mg/kg
Dermal	
Product:	ATEmix 8,425 mg/kg
Inhalation	
Product:	Vapour: ATEmix 100 mg/l Dust and mist: Classification not possible due to insufficient data.

Skin Corrosion/Irritation

Product:	No data available.
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Components:

Alkylbenzene sulfonate(Soft type) Category 2: (88)

Serious Eye Damage/Eye Irritation

Product:	No data available.
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Components:

Alkylbenzene sulfonate(Soft type) Category 1: (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.

IARC:

No carcinogenic components identified

ACGIH:

No carcinogens present or none present in regulated quantities

NTP:

No carcinogenic components identified

JSOH:

No carcinogenic components identified

EU

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: 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.

Components:

Methanol Category 1: visual organs, Central nervous system (88): Contains substance(s) below threshold for classification.

Specific Target Organ Toxicity - Repeated Exposure

Product: Classification not possible due to insufficient data.

Aspiration Hazard

Product: Classification not possible due to insufficient data.

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:

Alkylbenzene sulfonate(Soft type) Category 2: (88)

Chronic hazards to the aquatic environment

Fish

Product: Classification not possible due to insufficient data.

Aquatic Invertebrates

Product: Classification not possible due to insufficient data.

Components:

Alkylbenzene sulfonate(Soft type) Category 3: (88)

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 K_{ow})

Product: No data available.

Mobility in soil:

No data available.

Hazardous to the ozone layer:

Not Regulated

Further Information:

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**International regulations****IMDG**

UN Number:	UN 1760
UN Proper Shipping Name:	CORROSIVE LIQUID, N.O.S. (Alkyl Imidazole Derivative)
Transport Hazard Class(es)	
Class:	8
Label(s):	8
EmS No.:	F-A, S-B
Packing Group:	III
Limited quantity	5.00L
Excepted quantity	E1
Environmentally Hazardous:	No
Marine Pollutant:	No
Special precautions for user:	Not Regulated.

IATA

UN Number:	UN 1760
UN Proper Shipping Name:	Corrosive liquid, n.o.s. (Alkyl Imidazole Derivative)
Transport Hazard Class(es):	
Class:	8
Label(s):	8
Packing Group:	III
Excepted quantity	E1
Environmentally Hazardous:	No
Marine Pollutant:	No
Special precautions for user:	Not Regulated.
Other information	
Passenger and cargo aircraft:	Allowed. 852
Cargo aircraft only:	Allowed. 856

UN Proper Shipping Name (JP): その他の腐食性物質(液体) (他の危険性を有しないもの) (他に品名が明示されているものを除く。)(Alkyl Imidazole Derivative)

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.

Emergency Response Guide Number: 154

15. Regulatory information

Industrial Safety and Health Law

Specified Substances Regulation

Class 1 designated chemical substances:

Not Regulated

Class 2 designated chemical substances:

Not Regulated

Class 3 designated chemical substances:

Not Regulated

Ordinance on Prevention of Lead Poisoning:

Not Regulated

Ordinance on Prevention of Tetraalkyl Lead Poisoning:

Not Regulated

Notifiable substances (wt% is sometimes described by range because it's CBI.):

Methanol (Chemical substances that cause skin disorders, etc.) 1 - 5%

Labeling substances:

Methanol

Confirmed mutagens among the notified chemical substances:

Not Regulated

Confirmed mutagens among the existing chemical substances:

Not Regulated

Confirmed carcinogenic chemical substances:

Not Regulated

Industrial Safety and Health Ordinance, Art. 326, Corrosive Liquid:

Regulated

Poisonous and Deleterious Substances Control Act

Not Regulated

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.

Class I specified chemical substances:

Not Regulated

Class II specified chemical substances:

Not Regulated

Monitoring chemical substances:

Not Regulated

Priority Assessment Chemical Substances (PACs):

Sodium alkylbenzenesulfonate(The alkyl is limited to the substituent groups derived from linear alkane of C=10-14.)

Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof

Class 1 Substance(s):

n-Alkylbenzenesulfonic acids and their salts (alkyl C=10-14) 10%

Fire Service Act:

Not applicable to dangerous materials / designated flammables.

Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule:

Corrosive substances

Air Law, Enforcement Rule:

Corrosive substances

Explosives Control Act:

Not Regulated

High Pressure Gas Safety Act:

Not Regulated

Export Trade Control Order:

Not Regulated

Inventory Status:

US TSCA Inventory:	Not in compliance with the inventory
Canada DSL Inventory List:	Not in compliance with the inventory
Australia AICS:	Not 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:	Not 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

Disclaimer:

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist. In the case of the product for fragrance, it's in accordance with the latest standard of IFRA within ordinary use. Contact with the supplier for detail information.

Version #:

5.0

Revision Date:

2024.05.30

Issue Date:

2021.02.17

Reference:

- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) (JIS Z 7253 : 2019)
- International Chemical Safety Cards (ICSC) (Compiler's Guide) (1994)
- GHS guideline -- Labelling and Safety Data Sheet (2019) Japan Chemical Industry Association (88): ECHA-REACH Registered Substances Database