

SAFETY DATA SHEET

1. Product and company identification

Name of chemical (Product name): ELESTMASTER HE-110

Product No.: A0000298

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

Emergency telephone number: 81-3-5630-7700

2. Hazard(s) identification

GHS classification

Health Hazards

Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

Unknown toxicity - Health

Acute toxicity, dermal	9.09 %
Acute toxicity, inhalation, dust or mist	100 %

Environmental Hazards

Acute hazards to the aquatic environment	Category 2
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Unknown toxicity - Environment

Acute hazards to the aquatic environment	90.91 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Pictograms:



Signal Word: Danger

Hazard Statement: Causes severe skin burns and eye damage.
Toxic to aquatic life.

Precautionary Statements

Prevention: 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. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Immediately call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse.

Storage: Store locked up.

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 (%)
Polyethylene	9002-88-4	YES	YES	
Lauryldiethanolamine	Trade Secret	YES	YES	

4. First-aid measures

Description of necessary 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:	No data available.

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.

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.

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.

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. 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.

Contact avoidance measures:

No data available.

Storage

Safe storage conditions:

Keep container tightly closed. Store in a well-ventilated place. Store locked up. Keep away from source of ignition. Keep under nitrogen. Do not store with acids.

Safe packaging materials:

No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Product: None known.

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: Solid

Form: Columner-like pellet

Color: Milky white

Odor: Slight characteristic odor

Odor Threshold: No data available.
Melting 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: No data available.
Self Ignition Temperature: No data available.
Decomposition Temperature: No data available.
pH: No data available.

Viscosity

Dynamic viscosity: No data available.
Kinematic viscosity: No data available.
Flow Time: No data available.

Solubility(ies)

Solubility in Water: Insoluble in water
Solubility (other): Soluble in xylene

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

Vapor pressure: No data available.
Relative density: No data available.
Density: No data available.
Relative vapor density: No data available.

Particle characteristics

Particle Size: No data available.
Particle Size Distribution: No data available.

Heat of combustion >= 34 kJ/g

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: No data available.
 Not classified based on available data of component(s).

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: No data available.

Components:

Lauryldiethanolamine Category 1: (21)

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Lauryldiethanolamine Category 1: (21)

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

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.

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:

Lauryldiethanolamine Category 1: (21)

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.

Toxicity to Aquatic Plants

Product: No data available.

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.

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.

Contaminated Packaging: No data available.

14. Transport information

International regulations

IMDG

UN Number: UN 3259
UN Proper Shipping Name: AMINES, SOLID, CORROSIVE, N.O.S. (Alkyldiethanolamine)
Transport Hazard Class(es)
Class: 8
Label(s): 8
EmS No.: F-A, S-B
Packing Group: III
Limited quantity 5.00KG
Excepted quantity E1
Environmentally Hazardous: No
Marine Pollutant: No
Special precautions for user: Not regulated.

IATA

UN Number: UN 3259
UN Proper Shipping Name: Amines, solid, corrosive, n.o.s. (Alkyldiethanolamine)
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. 860
Cargo aircraft only:	Allowed. 864
UN Proper Shipping Name (JP):	アミン類(固体)(腐食性のもの)(他に品名が明示されているものを除く。)(Alkyldiethanolamine)

National Regulations

Domestic Standard: In compliance with domestic law.

Emergency Response Guide Number: 153

15. Regulatory information

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

Until March 31st, 2023

Not Regulated

From April 1st, 2023

Class 1 Substance(s):

Mixture of polyaddition products of oxirane to alkan-1-amine (limited to those the alkane is linear chain and C=8,10,12,14,16 or 18 and the mixture thereof), polyaddition products of oxirane to (Z)-octadec-9-en-1-amine and polyaddition products of oxirane to (9Z,12Z)-octadeca-9,12- dien-1-amine 9.1%

Industrial Safety and Health Law

Not Regulated

Poisonous and Deleterious Substances Control Act

Not Regulated

Explosives Control Act:

Not Regulated

High Pressure Gas Safety Act:

Not Regulated

Fire Service Act:

Designated combustible materials: Synthetic resins, others (3,000 kg)

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

Priority Assessment Chemical Substances (PACs):

alpha, alpha'-[(Alkyl(C=8-18, normal chain)azanediyl)di(ethane-2,1-diyl)]bis[omega-hydroxypoly(oxyethane-1,2-diyl)] (The repeating number of repeating unit is an integer 0 or more.)
(It is limited that the number-average molecular weight of the polymer is less than 1,000.)

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

Corrosive substances

Air Law, Enforcement Rule:

Corrosive substances

Export Trade Control Order:

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

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.

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 (21): Estimation