

# SAFETY DATA SHEET

## 1. Product and company identification

**Name of chemical (Product name):** ELESTMASTER HE-510

**Product No.:** A0000299

**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**

**Health Hazards**

Serious Eye Damage/Eye Irritation	Category 1
Toxic to reproduction	Category 2

**Unknown toxicity - Health**

Acute toxicity, inhalation, dust or mist	100 %
--	-------

**Environmental Hazards**

Acute hazards to the aquatic environment	Category 3
Chronic hazards to the aquatic environment	Category 3

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment	90 %
Chronic hazards to the aquatic environment	90 %

**Label Elements**

**Pictograms:**



**Signal Word:** Danger

**Hazard Statement:** Causes serious eye damage.  
 Suspected of damaging fertility or the unborn child.  
 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wear protective gloves/protective clothing/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/physician. IF ON SKIN: Wash with plenty of soap and water. IF exposed or concerned: Get medical advice/attention.

**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	Trade Secret	YES	YES	
Alkane sulfonic acids, sodium salts	Trade Secret	YES	YES	
Alkyl alkanolamide	Trade Secret	YES	YES	
Alkanolamine	Trade Secret	YES	YES	

**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.

<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
<b>Ingestion:</b>	Immediately call a POISON CENTER/doctor.
<b>Personal Protection for First-aid Responders:</b>	No data available.
<b>Most important symptoms and effects, both acute and delayed</b>	
<b>Symptoms:</b>	No data available.
<b>Hazards:</b>	No data available.
<b>Indication of immediate medical attention and special treatment needed</b>	
<b>Treatment:</b>	Get medical attention if symptoms occur.

## 5. Fire-fighting measures

### Suitable (and unsuitable) extinguishing media

<b>Suitable extinguishing media:</b>	Water spray, powder
<b>Unsuitable extinguishing media:</b>	No data available.

<b>Special hazards arising from the substance or mixture:</b>	No data available.
---	--------------------

### Special protective equipment and precautions for fire-fighters

<b>Special fire-fighting procedures:</b>	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.
<b>Special protective equipment for fire-fighters:</b>	Use goggles in combination with dust mask, and other protections as appropriate to situation.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.
<b>Methods and material for containment and cleaning up:</b>	Sweep or vacuum spills to drums or containers.
<b>Environmental Precautions:</b>	Avoid release to the environment.
<b>Prevention of secondary hazards:</b>	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.
- Local/Total ventilation:** Use an adequate ventilation.
- Safe handling advice:** Keep away from source of ignition. Avoid contact with eyes. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required.
- 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.
- Safe packaging materials:** No data available.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

Components	Type	Exposure Limit Values	Source
Alkanolamine	TWA	1 mg/m3	JPISHL OEL (04 2023)
Alkanolamine - Inhalable fraction and vapor.	TWA	1 mg/m3	ACGIH (2009)

**Individual protection measures, such as personal protective equipment**

- Eye/face protection:** Safety goggles
- Hand Protection:** Material: Rubber gloves
- Skin and Body Protection:** Full-body suit
- Respiratory Protection:** Use 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

<b>Form:</b>	Columner-like pellet
<b>Color:</b>	Milky white
<b>Odor:</b>	Slight characteristic odor
<b>Odor Threshold:</b>	No data available.
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flammability:</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	Not detected
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	No data available.
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble in water
<b>Solubility (other):</b>	Soluble in xylene
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Relative vapor density:</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.

<b>10. Stability and reactivity</b>
-------------------------------------

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable in general.
<b>Possibility of hazardous reactions:</b>	Material is stable under normal conditions.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.

**Hazardous Decomposition Products:** No data available.

<b>11. Toxicological information</b>
--------------------------------------

**Acute toxicity (list all possible routes of exposure)**

**Oral Product:** ATEmix: 25,420 mg/kg

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

**Inhalation Product:** Dust and mist: 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.  
Not classified based on available data of component(s).

**Components:**  
Alkane sulfonic acids, sodium salts      Category 2: (88)  
Alkanolamine      Category 2: (87)

**Serious Eye Damage/Eye Irritation Product:** No data available.

**Components:**  
Alkane sulfonic acids, sodium salts      Category 2B: (88)  
Alkyl alkanolamide      Category 1: (99)  
Alkanolamine      Category 1: (87)

**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.

**Components:**  
Alkanolamine      Category 2: (52): Contains substance(s) below threshold for classification.

**IARC:**  
Alkanolamine      Group 2B. Possibly carcinogenic to humans.

**NTP:**  
No carcinogenic components identified



**Chronic hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**

Alkane sulfonic acids, sodium salts	Category 3: (88)
Alkyl alkanolamide	Category 2: (89)
Alkanolamine	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 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**

Not Regulated.

**IATA**

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**

**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.):**  
 Diethanolamine 0.1 - 1.0%

**Labeling substances:**  
 Not Regulated

**Confirmed mutagens among the notified chemical substances:**  
 Not Regulated

**Confirmed mutagens among the existing chemical substances:**  
 Not Regulated

**Confirmed carcinogenic chemical substances:**  
 Not 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):**

N,N-Bis(2-hydroxyethyl)alkanamide(C=8,10,12,14,16,18, normal chain), (Z)-N,N-bis(2-hydroxyethyl)octadec-9-enamide or (9Z,12Z)-N,N-bis(2-hydroxyethyl)octadeca-9,12-dienamide  
 Sodium alkanesulfonate(C=10-18), sodium hydrogen alkanedisulfonate(C=10-18) or disodium alkanedisulfonate(C=10-18)

**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,N-Bis(2-hydroxyethyl)alkanamide (limited to those the alkane is linear chain and C=8, 10, 12, 14, 16 or 18 and mixture thereof), (Z)-N,N-bis(2-hydroxyethyl)octadec-9-enamide and (9Z,12Z)-N,N-bis(2-hydroxyethyl)octadeca-9,12-dienamide and mixture thereof 4.8%

**Fire Service Act:**

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

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

Not Regulated

**Air Law, Enforcement Rule:**

Not Regulated

**Explosives Control Act:**

Not Regulated

**High Pressure Gas Safety Act:**

Not Regulated

**Export Trade Control Order:**

Not Regulated

**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

**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 #:** 7.0  
**Revision Date:** 2023.10.17  
**Issue Date:** 2021.04.13

**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
- (52): IARC Monographs
- (87): EU CLP Regulation Annex VI
- (88): ECHA-REACH Registered Substances Database
- (89): CESIO\_Environmental-Classification-of-Surfactant-according-to-2nd- ATP
- (99): Internal study data