

# SAFETY DATA SHEET

## [1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : ELESTMASTER HE-510  
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  
FAX NUMBER : 81-3-5630-7889  
E-MAIL ADDRESS : chemical@kao.co.jp  
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) : Category 4  
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 : Category 3  
- LONG-TERM HAZARD : Category 3  
- HAZARDOUS TO THE OZONE LAYER : Classification not possible

### GHS LABEL ELEMENTS

#### PICTOGRAMS OR SYMBOLS



SIGNAL WORD : Danger  
HAZARD STATEMENTS : Harmful if swallowed  
Causes serious eye damage  
Harmful to aquatic life with long lasting effects

### PRECAUTIONARY STATEMENTS

PREVENTION : Avoid release to the environment.  
Do not eat, drink or smoke when using this product.  
Wash thoroughly after handling.  
Wear eye protection/face protection.

- RESPONSE : IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
Rinse mouth.  
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: Gently wash with plenty of water and soap.
- STORAGE :
- DISPOSAL : Passed to a licensed waste contractor.
- SAFE HANDLING ADVICE : Refer to SDS.

## [3.COMPOSITION / INFORMATION ON INGREDIENTS]

SUBSTANCE OR MIXTURE : Mixture

## INGREDIENTS AND CONCENTRATION RANGE

| Ingredients                         | Concentration Range(%) | CAS RN       |
|-------------------------------------|------------------------|--------------|
| Polyethylene                        | Confidential           | Confidential |
| Alkane sulfonic acids, sodium salts | Confidential           | Confidential |
| Alkyl alkanolamide                  | Confidential           | Confidential |
| Alkanolamine                        | Confidential           | 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. Immediately call a POISON CENTER or doctor.
- IN CASE OF INGESTION : Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

## [5.FIRE-FIGHTING MEASURES]

- EXTINGUISHING MEDIA : Water spray, powder
- NOT SUITABLE EXTINGUISHING MEDIA : No information available
- SPECIFIC HAZARDS : No information available
- SPECIFIC METHODS : 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.
- PROTECTION OF 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 PROCEDURE : Use goggles and protective gloves.  
Large spills : Remove person to safety.  
Ensure adequate ventilation.
- ENVIRONMENTAL PRECAUTIONS : Avoid release to the environment.
- 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.

SAFE HANDLING ADVICE : Use an adequate ventilation.  
Wash thoroughly after handling.  
Use personal protective equipment as required.  
Do not eat, drink or smoke when using this product.

#### 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 : Columner pellet

COLOUR : Milk white

ODOUR : Slightly characteristic odour

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 : Not applicable

##### 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 : Soluble in xylene

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 : Stable in general.  
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 : No information available  
INFORMATION ON INGREDIENTS : Alkane sulfonic acids, sodium salts: Category 4; Ref.(34)

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 : No information available  
INFORMATION ON INGREDIENTS : Alkane sulfonic acids, sodium salts: Category 2; Ref.(34)

SERIOUS EYE DAMAGE / IRRITATION  
INFORMATION ON PRODUCT : No information available  
INFORMATION ON INGREDIENTS : Alkyl alkanolamide: Category 1  
Alkane sulfonic acids, sodium salts: Category 2B; Ref.(34)

## 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 : No information available  
INFORMATION ON INGREDIENTS : No information available

## CARCINOGENICITY

INFORMATION ON PRODUCT : No information available  
INFORMATION ON INGREDIENTS : Alkanolamine: Category 2: Containing a substance of less than concentration limits triggering classification.

IARC : Group 2B: Possibly carcinogenic to humans.  
Diethanolamine  
Group 3: Not classifiable as to its carcinogenicity to humans.  
Polyethylene

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 : No information available

ACUTE HAZARD : 90% of the mixture consists of ingredient(s) of unknown hazards to the aquatic environment

LONG-TERM HAZARD : 90% of the mixture consists of ingredient(s) of unknown hazards to the aquatic environment

PERSISTENCE / DEGRADABILITY : No information available

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.

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)  
(34)Safety data sheet of the raw material

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.