

## SAFETY DATA SHEET

## [1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : ELESTMASTER A-1015  
 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) : Not classified  
 ACUTE TOXICITY (Dermal) : Not classified  
 ACUTE TOXICITY (Inhalation) : Not applicable(Vapours)  
 SKIN CORROSION / IRRITATION : Category 2  
 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 2  
 - LONG-TERM HAZARD : Classification not possible  
 - HAZARDOUS TO THE OZONE LAYER : Classification not possible

## GHS LABEL ELEMENTS

## PICTOGRAMS OR SYMBOLS :



SIGNAL WORD : Danger  
 HAZARD STATEMENTS : Causes skin irritation  
 Causes serious eye damage  
 Toxic to aquatic life

## PRECAUTIONARY STATEMENTS

PREVENTION : Avoid release to the environment.  
 Wash thoroughly after handling.  
 Wear protective gloves/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 (or hair): Take off contaminated clothing. Gently wash with plenty of water and soap. If skin irritation occurs, seek medical advice/attention.  
Call a POISON CENTER or doctor if you feel unwell.
- 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
Polystyrene	Confidential	Confidential
Sodium alkane sulfonates	Confidential	Confidential
Alkyldiethanolamine	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.  
If skin irritation occurs: Get medical advice/attention.
- 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 : Water spray, powder
- 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 sulfur 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 : 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.
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 glasses
SKIN AND BODY PROTECTION	: Full-body suit
HYGIENE MEASURES	: No information available

## [9.PHYSICAL AND CHEMICAL PROPERTIES]

APPEARANCE	
PHYSICAL STATE	: Columner pellet
COLOUR	: Yellow
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	: No information available
FLASH POINT	: No data available
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 toluene 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 : 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 : No information available  
 INFORMATION ON INGREDIENTS : No information available  
 85% of the mixture consists of ingredients of unknown toxicity.

## Dermal

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available  
 85% 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 : No information available  
 INFORMATION ON INGREDIENTS : Alkyldiethanolamine: Category 1  
 Sodium alkane sulfonates: Category 2; Ref.(34)

## SERIOUS EYE DAMAGE / IRRITATION

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : Alkyldiethanolamine: Category 1  
 Sodium alkane sulfonates: Category 2; 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 : No information available  
 IARC : Group 3: Not classifiable as to its carcinogenicity to humans.  
 Polystyrene

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  
 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.  
 Incinerate with little portions.  
 Risk of producing harmful gases such as carbon monoxide and sulfur 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

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

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