

SAFETY DATA SHEET

[1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : HOMOGENOL L-95
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 : Classification not possible
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 1
- LONG-TERM HAZARD : Category 1
- HAZARDOUS TO THE OZONE LAYER : Classification not possible

GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS :



SIGNAL WORD : Warning
HAZARD STATEMENTS : Causes skin irritation
Very toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

PREVENTION : Avoid release to the environment.
Wash thoroughly after handling.
Wear protective gloves.

RESPONSE : 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 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.

Collect spillage.

STORAGE :
DISPOSAL : Passed to a licensed waste contractor.
SAFE HANDLING ADVICE : Refer to SDS.

[3.COMPOSITION / INFORMATION ON INGREDIENTS]

SUBSTANCE OR MIXTURE : Substance
INGREDIENTS AND CONCENTRATION RANGE : Alkyl imidazoline
CAS RN : 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.
IN CASE OF INGESTION : Call a POISON CENTER or doctor if you feel unwell.

[5.FIRE-FIGHTING MEASURES]

EXTINGUISHING MEDIA : Powder, alcohol-resistant foam, carbon dioxide, sand
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.
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.
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 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 : 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.
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.

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 : Liquid (paste in winter(under 20C))

COLOUR : Yellow-brown

ODOUR : Characteristic odour

pH : 10.4 (2% solution)

SPECIFIC TEMPERATURES / TEMPERATURE RANGES

AT WHICH CHANGES IN PHYSICAL STATE OCCUR

BOILING POINT : No information available

MELTING POINT : 5 °C (41 °F)

FLASH POINT : 234 °C (453.2 °F) (CLEVELAND open cup method)

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) : 0.95 g/mL (10 °C) (50 °F)
0.927 g/mL (30 °C) (86 °F)
0.912 g/mL (50 °C) (122 °F)

SOLUBILITY

WATER SOLUBILITY : Insoluble

SOLVENT SOLUBILITY : Soluble in ethanol, acetone and isopropanol.
Insoluble in n-hexane and ethyleneglycol.

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 : 482 mPa.s (10 °C) (50 °F)
197 mPa.s (30 °C) (86 °F)
79 mPa.s (50 °C) (122 °F)

OTHER DATA : No information available

[10.STABILITY AND REACTIVITY]

CHEMICAL STABILITY : No information available

POSSIBILITY OF HAZARDOUS REACTIONS : Reacts with acids.

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 : Rat : LD50 > 2000 mg/kg

Dermal

INFORMATION ON PRODUCT : No information available

Inhalation

INFORMATION ON PRODUCT : No information available

SKIN CORROSION / IRRITATION

INFORMATION ON PRODUCT : Rabbit, undiluted, 4 hours semi-occluded application test (OECD404) :
Irritating to skin

SERIOUS EYE DAMAGE / IRRITATION

INFORMATION ON PRODUCT : No information available

RESPIRATORY OR SKIN SENSITIZATION

RESPIRATORY

INFORMATION ON PRODUCT : No information available

SKIN

INFORMATION ON PRODUCT : No information available

MUTAGENICITY (GERM CELL MUTAGENICITY)

INFORMATION ON PRODUCT : No information available

CARCINOGENICITY

INFORMATION ON PRODUCT : No information available

IARC : Not listed

NTP : Not listed

EU : Not listed

OSHA : Not listed

REPRODUCTIVE TOXICITY

INFORMATION ON PRODUCT : No information available

SPECIFIC TARGET ORGAN TOXICITY

- SINGLE EXPOSURE

INFORMATION ON PRODUCT : No information available

- REPEATED EXPOSURE

INFORMATION ON PRODUCT : No information available

ASPIRATION HAZARD

INFORMATION ON PRODUCT : No information available

OTHER INFORMATION : No information available

[12.ECOLOGICAL INFORMATION]

ECOTOXICITY : Rainbow trout, OECD203, 96h, LC50 : 0.42 mg/L
 PERSISTENCE / DEGRADABILITY : CO2 evolution test (OECD301B) : 7 % (28 days)
 MOBILITY IN SOIL : No information available
 BIOACCUMULATIVE POTENTIAL : No information available
 OTHER ADVERSE EFFECTS : COD(Cr) : 2.3 g/g (JIS K0102)

[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 nitrogen 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	:	Class 9 / UN3082	
IATA	:	UN Number	UN3082
		Proper Shipping Name	Environmentally Hazardous Substance, Liquid, n.o.s.(1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro-)
		Class	9
		Packing Group	III
IMDG	:	UN Number	UN3082
		Proper Shipping Name	Environmentally Hazardous Substance, Liquid, n.o.s.(1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro-)
		Class	9
		Packing Group	III
		Additional Information	Marine pollutant

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.
 Emergency Response Guide(ERG) Numbers : 171

[15.REGULATORY INFORMATION]

Follow all regulations in your country or region.

INVENTORIES	:	ENCS(Japan)	5-3496
		TSCA(USA)	Yes
		EINECS(EU)	204-414-9
		AICS(Australia)	Yes
		DSL(Canada)	Yes
		ECL(Korea)	KE-18246
		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)

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