

SAFETY DATA SHEET

[1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : ALDEHYDE C-12 LAURYL
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 2A
RESPIRATORY SENSITIZATION : Classification not possible
SKIN SENSITIZATION : Category 1B
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 : Not classified
- HAZARDOUS TO THE OZONE LAYER : Classification not possible

GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS :



SIGNAL WORD : Warning
HAZARD STATEMENTS : Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Toxic to aquatic life

PRECAUTIONARY STATEMENTS

PREVENTION : Do not breathe dust/fume/gas/mist/vapours/spray.
Avoid release to the environment.
Contaminated work clothing should not be allowed out of the workplace.

RESPONSE	: Wash thoroughly after handling. Wear protective gloves/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. 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	: Substance
INGREDIENTS AND CONCENTRATION RANGE	: 1-Dodecanal
CAS RN	: 112-54-9

[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 or rash occurs: Get medical advice/attention. Take of contaminated clothing and wash before re-use.
IN CASE OF EYE CONTACT	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
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	: 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	: 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. May cause spontaneous combustion, when absorbed in paper or cloth. To avoid autoignition, used absorbents should be kept wet with water.
SAFE HANDLING ADVICE	: Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapours/spray.
STORAGE	
SUITABLE STORAGE CONDITIONS	: Store container tightly closed in well-ventilated place. Do not store with oxidizing agents or alkalies. 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
COLOUR	: Colorless to light yellow clear
ODOUR	: Characteristic odour
pH	: No data available
SPECIFIC TEMPERATURES / TEMPERATURE RANGES AT WHICH CHANGES IN PHYSICAL STATE OCCUR	
BOILING POINT	: 241.0 °C (465.8 °F)
MELTING POINT	: 8.0 °C (46.4 °F)
FLASH POINT	: 116.0 °C (240.8 °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	: 4 Pa (25.0 °C) (77 °F)
VAPOUR DENSITY	: No information available
DENSITY (SPECIFIC GRAVITY)	: 0.831 g/mL (20.0 °C) (68 °F)
SOLUBILITY	
WATER SOLUBILITY	: Poor
SOLVENT SOLUBILITY	: Soluble in ethyl alcohol
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.
 This product gradually oxidizes in air.
 POSSIBILITY OF HAZARDOUS REACTIONS : No information available
 CONDITIONS TO AVOID : Avoid contact with oxidizing agents or bases.
 INCOMPATIBLE MATERIALS : No information available
 HAZARDOUS DECOMPOSITION PRODUCTS : No information available
 OTHERS : May cause spontaneous combustion, when finely distributed.

[11.TOXICOLOGICAL INFORMATION]

ACUTE TOXICITY

Oral

INFORMATION ON PRODUCT : Rat, LD50 : 23.0 g/kg (2)

Dermal

INFORMATION ON PRODUCT : Rabbit, LD50 : > 2.0 g/kg (32)

Inhalation

INFORMATION ON PRODUCT : No information available

SKIN CORROSION / IRRITATION

INFORMATION ON PRODUCT : Rabbit, 500 mg/24h : Moderate (2)

Human, 5 mg/48h : Mild (2)

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 : 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.

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)	2-494
		TSCA(USA)	Yes
		EINECS(EU)	203-983-6
		AICS(Australia)	Yes
		DSL(Canada)	No(NDSL)
		ECL(Korea)	KE-12824
		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)
 (2)Registry of Toxic Effects of Chemical Substances
 (32)RIFM/FEMA FRAGRANCE and FLAVOR DATABASE

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