

## SAFETY DATA SHEET

## [1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : ALDEHYDE C-8  
SUPPLIER : Kao Corporation  
ADDRESS : 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan  
DIVISION : 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

FLAMMABLE LIQUIDS : Category 3

## HEALTH HAZARDS

ACUTE TOXICITY (Oral) : Not classified  
ACUTE TOXICITY (Dermal) : Not classified  
ACUTE TOXICITY (Inhalation) : Not classified(Vapours)  
SKIN CORROSION / IRRITATION : Category 2  
SERIOUS EYE DAMAGE / EYE IRRITATION : Category 2A  
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 : Category 2  
- HAZARDOUS TO THE OZONE LAYER : Classification not possible

## GHS LABEL ELEMENTS

## PICTOGRAMS OR SYMBOLS :



SIGNAL WORD : Warning  
HAZARD STATEMENTS : Flammable liquid and vapour  
Causes skin irritation  
Causes serious eye irritation  
Toxic to aquatic life with long lasting effects

## PRECAUTIONARY STATEMENTS

PREVENTION : Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Keep container tightly closed.

	Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting. Use only non-sparking tools.
	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.
	If eye irritation persists: Get medical advice/attention.
	IF ON SKIN (or hair): Take off immediately all contaminated clothing.
	Rinse skin with water/shower. 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.
	In case of fire : Keep away from sources of ignition and use appropriate extinguishing media.
	Collect spillage.
STORAGE	: Store in a well-ventilated place. Keep container tightly closed.
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-Octanal
CAS RN	: 124-13-0

### [4.FIRST-AID MEASURES]

IN CASE OF INHALATION	: Remove person to fresh air and keep comfortable for breathing.
IN CASE OF SKIN CONTACT	: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Gently wash with plenty of soap and water. If skin irritation occurs, seek 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.
	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.

##### STORAGE

SUITABLE STORAGE CONDITIONS : Store container tightly closed in well-ventilated place.  
Keep away from source of ignition.  
Do not store with oxidizing agents or alkalies.

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 : 163.4 °C ( 326.1 °F)

MELTING POINT : No information available

FLASH POINT : 58 °C ( 136.4 °F) (TAG closed 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) : 0.826 g/mL ( 20 °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 : 4617 mg/kg (88)
INFORMATION ON INGREDIENTS	: No information available
Dermal	
INFORMATION ON PRODUCT	: Rabbit, LD50 : 5207 mg/kg (88)
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	: 1-Octanal: Category 2; Ref.(84)
SERIOUS EYE DAMAGE / IRRITATION	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: 1-Octanal: Category 2A; Ref.(84)
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 : Not listed  
 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.

This material is containing flammable materials.

Be careful in case of incineration.

Remove the contents completely in case of disposal of the container.

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 3 / UN1191	
IATA	: UN Number	UN1191
	Proper Shipping Name	Octyl Aldehydes
	Class	3
	Packing Group	III
IMDG	: UN Number	UN1191
	Proper Shipping Name	Octyl Aldehydes
	Class	3
	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 : 129

#### [15.REGULATORY INFORMATION]

Follow all regulations in your country or region.

INVENTORIES	: ENCS(Japan)	Yes
	TSCA(USA)	Yes
	REACH(EU)	Not evaluated
	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)  
(84)IFRA-IOFI LABELING MANUAL  
(88)ECHA-REACH Registered Substances Database

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