

# SAFETY DATA SHEET

## [1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : KALCOL 8098  
SUPPLIER : Fatty Chemical (Malaysia) Sdn. Bhd.  
ADDRESS : Lorong Perusahaan Satu, Prai Industrial Complex, 13600 Prai, Penang,  
MALAYSIA  
DIVISION :  
TELEPHONE NUMBER : 60-4-399-8500  
FAX NUMBER : 60-4-399-8503  
E-MAIL ADDRESS :  
EMERGENCY TELEPHONE NUMBER : 60-4-399-8500  
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 : Not classified  
SERIOUS EYE DAMAGE / EYE IRRITATION : Not classified  
RESPIRATORY SENSITIZATION : Classification not possible  
SKIN SENSITIZATION : Not classified  
GERM CELL MUTAGENICITY : Not classified  
CARCINOGENICITY : Not classified  
REPRODUCTIVE TOXICITY : Not classified  
SPECIFIC TARGET ORGAN TOXICITY  
- SINGLE EXPOSURE : Classification not possible  
- REPEATED EXPOSURE : Not classified  
ASPIRATION HAZARD : Classification not possible

### ENVIRONMENTAL HAZARDS

#### HAZARDOUS TO THE AQUATIC ENVIRONMENT

- ACUTE HAZARD : Not classified  
- LONG-TERM HAZARD : Not classified  
- HAZARDOUS TO THE OZONE LAYER : Classification not possible

### GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS : Not applicable  
SIGNAL WORD : Not applicable  
HAZARD STATEMENTS : Not applicable

### PRECAUTIONARY STATEMENTS

PREVENTION : Wash thoroughly after handling.  
If needed, use personal protective equipment as required.  
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: Gently wash with plenty of water and soap.  
Call a POISON CENTER or doctor if you feel unwell.  
STORAGE : Store in well-ventilated place.

DISPOSAL :  
SAFE HANDLING ADVICE : Refer to SDS.

### [3.COMPOSITION / INFORMATION ON INGREDIENTS]

SUBSTANCE OR MIXTURE : Substance  
INGREDIENTS AND CONCENTRATION RANGE : Stearyl alcohol  
CAS RN : 112-92-5

### [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.  
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.  
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 : Do not discharge into the drains, surface waters or ground water directly.  
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.  
SAFE HANDLING ADVICE : Use an adequate ventilation.  
Wash thoroughly after handling.  
If needed, 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 : Solid  
 COLOUR : White  
 ODOUR : Slightly characteristic odour  
 pH : Not applicable

SPECIFIC TEMPERATURES / TEMPERATURE RANGES  
AT WHICH CHANGES IN PHYSICAL STATE OCCUR

BOILING POINT : 351 °C ( 663.8 °F)  
 MELTING POINT : 58 - 62 °C ( 136.4 - 143.6 °F)  
 FLASH POINT : 183 °C ( 361.4 °F) (CLEVELAND open cup method)

## FLAMMABILITY OR EXPLOSIVE PROPERTIES

FLAMMABILITY OR EXPLOSIVE LIMITS : UPPER LIMIT : 2.6 % LOWER LIMIT : 0.3 %  
 VAPOUR PRESSURE : No information available  
 VAPOUR DENSITY : No information available  
 DENSITY (SPECIFIC GRAVITY) : 0.8127 g/mL ( 60 °C) ( 140 °F)  
 SOLUBILITY  
 WATER SOLUBILITY : Insoluble  
 SOLVENT SOLUBILITY : Soluble in general organic solvents  
 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 : 20 mPa.s ( 60 °C) ( 140 °F)  
 OTHER DATA : No information available

## [10. STABILITY AND REACTIVITY]

CHEMICAL STABILITY : Stable in general.  
 POSSIBILITY OF HAZARDOUS REACTIONS : No information available  
 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 (male, female)
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) : Not classified
SERIOUS EYE DAMAGE / IRRITATION	
INFORMATION ON PRODUCT	: Rabbit, undiluted, OECD405 : Not classified
RESPIRATORY OR SKIN SENSITIZATION	
RESPIRATORY	
INFORMATION ON PRODUCT	: No information available
SKIN	
INFORMATION ON PRODUCT	: Guinea pig, Guinea Pig Maximization Test (OECD406) : Negative
MUTAGENICITY (GERM CELL MUTAGENICITY)	
INFORMATION ON PRODUCT	: Ames test (TA98, TA100, TA1535, TA1537, TA1538) OECD471 : Negative
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, OECD 203, 96hr, LC50 : > 0.40 mg/L (The highest attainable test concentration)
PERSISTENCE / DEGRADABILITY	: CO2 evolution test (OECD301B) : 43 % (28 days)  Closed bottle test : 69% (29 days) (Data on octadecan-1-ol) (3)
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)	2-217
		TSCA(USA)	Yes
		EINECS(EU)	204-017-6
		AICS(Australia)	Yes
		DSL(Canada)	Yes
		ECL(Korea)	KE-26419
		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)  
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