## Set Up Date

## October 27, 1998

# SAFETY DATA SHEET

### [1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : KALCOL 2473 **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 : 81-3-5630-7700 **EMERGENCY TELEPHONE NUMBER** 

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 : Category 2A

IRRITATION

RESPIRATORY SENSITIZATION : Classification not possible

SKIN SENSITIZATION : Not classified **GERM CELL MUTAGENICITY** : Not classified : Not classified CARCINOGENICITY 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 : Category 1 - LONG-TERM HAZARD : Category 2

- HAZARDOUS TO THE OZONE : Classification not possible

LAYER

**GHS LABEL ELEMENTS** 

PICTOGRAMS OR SYMBOLS



SIGNAL WORD

HAZARD STATEMENTS Causes serious eye irritation

Very toxic to aquatic life

Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

**PREVENTION** : Avoid release to the environment.

> Wash thoroughly after handling. Wear eye protection/face protection.

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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: Gently wash with plenty of water and soap. 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: Alcohols, C12-16

**RANGE** 

CAS RN : 68855-56-1

[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.

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 : Cool down to solid in case of melt(be careful of heat), and then sweep or

vacuum spilled materials 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.

Use personal protective equipment as required.

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**STORAGE** 

SUITABLE STORAGE CONDITIONS : Store container tightly closed in well-ventilated place.

Keep away from source of ignition.

SAFE PACKAGING MATERIALS : No information available

**18.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(liquid in summer(over 20C))

COLOUR : White

**ODOUR** Slightly characteristic odour

: Not applicable pΗ SPECIFIC TEMPERATURES / TEMPERATURE RANGES AT WHICH CHANGES IN PHYSICAL STATE OCCUR

**BOILING POINT** 263 320 °C ( 505.4 -608 °F) 22.5 °C ( **MELTING POINT** 19.5 67.1 -72.5 °F) **FLASH POINT** 148 ٥C 298.4 °F) (CLEVELAND open cup method)

FLAMMABILITY OR EXPLOSIVE PROPERTIES

: UPPER LIMIT : No information available LOWER LIMIT : No information FLAMMABILITY OR EXPLOSIVE

LIMITS available

VAPOUR PRESSURE : No information available VAPOUR DENSITY : No information available

40 °C) ( 104 °F) DENSITY (SPECIFIC GRAVITY) 0.822 g/mL (

SOLUBILITY

WATER SOLUBILITY : Insoluble

**SOLVENT SOLUBILITY** Soluble in general organic solvents

PARTITION COEFFICIENT: n-: No information available

OCTANOL / WATER (log Pow)

**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

40 °C) ( VISCOSITY 12 mPa.s ( 104 °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 : No information available

**PRODUCTS** 

OTHERS : No information available

[11.TOXICOLOGICAL INFORMATION]

**ACUTE TOXICITY** 

Oral

INFORMATION ON PRODUCT : Rat, LD50 : > 8300 mg/kg (Data on Alcohols, C12-16) (3)

Dermal

INFORMATION ON PRODUCT : Rabbit, LD50 : 10200 mg/kg (Data on Alcohols, C12-16) (3)

Inhalation

INFORMATION ON PRODUCT : No information available

SKIN CORROSION / IRRITATION

INFORMATION ON PRODUCT : No information available

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 : Guinea pig, Guinea Pig Maximization Test :

Negative (Data on Alcohols, C12-16) (3)

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
ACUTE HAZARD : No information available
LONG-TERM HAZARD : No information available
PERSISTENCE / DEGRADABILITY : No information available

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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** : Class 9 / UN3082

IATA : UN Number UN3082

> **Proper Shipping Name** Environmentally Hazardous Substance, Liquid,

> > n.o.s.(containing Dodecanol)

Class Ш **Packing Group** 

**IMDG** : UN Number UN3082

> **Proper Shipping Name** Environmentally Hazardous Substance, Liquid,

> > n.o.s.(containing Dodecanol)

Class 9 Ш **Packing Group** 

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) 2-217

> TSCA(USA) Yes

**EINECS(EU)** 272-490-6

AICS(Australia) Yes Yes DSL(Canada) KE-00307 ECL(Korea) 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)

(3)IUCLID

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