Set Up Date

November 18, 1996

## SAFETY DATA SHEET

## [1.PRODUCT AND COMPANY IDENTIFICATION]

: EMULGEN 104P PRODUCT NAME **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 : Category 2

**IRRITATION** 

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 : Classification not possible **ASPIRATION HAZARD** : Classification not possible

**ENVIRONMENTAL HAZARDS** 

HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD : Category 1 - LONG-TERM HAZARD : Category 3

- HAZARDOUS TO THE OZONE : Classification not possible

LAYER

**GHS LABEL ELEMENTS** 

PICTOGRAMS OR SYMBOLS





SIGNAL WORD Warning

HAZARD STATEMENTS : Causes skin irritation

> Causes serious eye irritation Very toxic to aquatic life

Harmful to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

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

Wash thoroughly after handling.

Wear protective gloves/eye protection/face protection.

Revised Date Kao Corporation

**RESPONSE** : IF IN EYES: Rinse cautiously with water for several minutes. Remove

> contact lenses, if present and easy to do. Continue rinsing. If eve 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.

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: Polyoxyethylene(4) lauryl ether

**RANGE** 

CAS RN : 9002-92-0

[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, water spray, carbon dioxide, sand

NOT SUITABLE EXTINGUISHING : No information available

**MEDIA** 

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** 

**Kao Corporation** 

**TECHNICAL MEASURES** : Facilities storing or utilizing this material should be equipped with an

evewash 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

COLOUR Colorless to pale yellow **ODOUR** Characteristic odour

5 - 7.5pН (5% solution)

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

: No information available **BOILING POINT** 

°C **MELTING POINT** 60.8 °F) 16

FLASH POINT 186 °C 366.8 °F) (CLEVELAND open cup method)

FLAMMABILITY OR EXPLOSIVE PROPERTIES

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

available

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

DENSITY (SPECIFIC GRAVITY) 0.939 g/mL 30 °C)( 86 °F) (

> 0.931 g/mL 40 °C) ( 104 °F) 50 °C)( 122 °F) 0.924 g/mL

**SOLUBILITY** 

WATER SOLUBILITY : Emulsifiable

SOLVENT SOLUBILITY : Soluble in ethyl alcohol 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 KCDS-No 002211-16 **FMUI GEN 104P** 4 / 6 August 26, 2015

Revised Date **Kao Corporation** 

**EVAPORATION RATE** : No information available : No information available FLAMMABILITY (SOLID, GAS)

40 mPa.s ( 30 °C)( VISCOSITY 86 °F)

> 104 °F) 20 mPa.s ( 40 °C) ( 15 mPa.s ( 50 °C) ( 122 °F)

OTHER DATA : APPEARANCE (SPECIFICATION) : Colorless to pale yellow clear liquid

(40C)

[10.STABILITY AND REACTIVITY]

CHEMICAL STABILITY : Stable in general. POSSIBILITY OF HAZARDOUS : Stable in general.

REACTIONS

CONDITIONS TO AVOID : No information available INCOMPATIBLE MATERIALS : No information available

HAZARDOUS DECOMPOSITION

**PRODUCTS** 

No special hazardous and harmful combustion or decomposition

products.

**OTHERS** : No information available

[11.TOXICOLOGICAL INFORMATION]

**ACUTE TOXICITY** 

Oral

INFORMATION ON PRODUCT : Rat, LD50 : 8600 mg/kg

(Data on Dodecyl alcohol condensed with 4 moles ethylene oxide)(2)

Mouse, LD50: 4940 mg/kg

(Data on Dodecyl alcohol condensed with 4 moles ethylene oxide)(2)

Dermal

INFORMATION ON PRODUCT : No information available

Inhalation

: No information available INFORMATION ON PRODUCT

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 : 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

: No information available INFORMATION ON PRODUCT

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 : BOD5 : 1.51g/g (JIS K0102) (Data on equivalent product)

COD(Mn): 0.45g/g (JIS K0102) (Data on equivalent product)

[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 Alcohol C12-C16

Poly(1-6)Ethoxylate)

Class 9
Packing Group III

IMDG : UN Number UN3082

Proper Shipping Name Environmentally Hazardous Substance, Liquid,

n.o.s.(containing Alcohol C12-C16

Poly(1-6)Ethoxylate)

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) 7-97

TSCA(USA) Yes

EINECS(EU) Yes(Polymer)

AICS(Australia) Yes
DSL(Canada) Yes
ECL(Korea) KE-12935

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)

(2) Registry of Toxic Effects of Chemical Substances

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