

Serial No. 7030011E

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : EMALEX 703
 COMPANY NAME, ADDRESS, PHONE NUMBER : NIHON EMULSION CO., LTD.
 : 5-32-7 Koenji-Minami Suginami-Ku Tokyo 166-0003 Japan
 : (81)3-3314-3211
 FAX NUMBER : (81)3-3312-7207
 E-MAIL ADDRESS : trade@nihon-emulsion.co.jp
 RECOMMENDED USE OF PRODUCT : Cosmetic material and Surfactant
 LIMITATION : For use other than recommended purposes, please consult a professional.
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2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE:

PHYSICAL HAZARDS: : Not classified, or Classification not possible

HEALTH HAZARDS:

ACUTE TOXICITY (Oral) : Not classified
 ACUTE TOXICITY (Dermal) : Not classified
 ACUTE TOXICITY (Inhalation, Gas) : Not classified
 ACUTE TOXICITY (Inhalation, Vapour) : Classification not possible
 ACUTE TOXICITY (Inhalation, Dust, Mist) : Classification not possible
 SKIN CORROSION/IRRITATION : Category 2
 SERIOUS EYE DAMAGE/EYE IRRITATION : Category 1
 RESPIRATORY SENSITIZATION : Classification not possible
 SKIN SENSITIZATIONS : Not classified
 GERM CELL MUTAGENICITY : Not classified
 CARCINOGENICITY : Not classified
 REPRODUCTIVE TOXICITY : Not classified
 SPECIFIC TARGET ORGAN TOXICITY SINGLE EXPOSURE : Classification not possible
 SPECIFIC TARGET ORGAN TOXICITY REPEATED EXPOSURE : Classification not possible
 ASPIRATION HAZARD : Classification not possible

ENVIRONMENTAL HAZARDS:

SHORT-TERM (ACUTE) HAZARDOUS TO THE AQUATIC ENVIRONMENT : Category 1
 LONG-TERM (CHRONIC) HAZARDOUS TO THE AQUATIC ENVIRONMENT : Not classified
 HAZARDS TO THE OZONE LAYER : Not classified

LABEL ELEMENTS:

PICTORIAL REPRESENTATIONS



SIGNAL WORD : Danger
 HAZARD STATEMENTS : Causes skin irritation.
 Causes serious eye damage.
 Very toxic to aquatic life.

PRECAUTIONARY STATEMENTS

PREVENTION : Wash thoroughly after handling. (P264)
 Wear protective gloves/protective clothing/eye protection/face protection. (P280)

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Avoid release to the environment. (P273)

RESPONSE : IF SWALLOWED: Call a POISON CENTER/ doctor/ If you feel unwell. (P301+P312)

IF ON SKIN: Wash with plenty water. (P302+P352)

Take off contaminated clothing and wash it before reuse. (P362+P364)

If skin irritation occurs: Get medical advice/attention. (P332+P313)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Immediately call a POISON CENTER/doctor. (P310)

Collect spillage. (P391)

STORAGE : Store in a closed container. (P404)

DISPOSAL : Dispose of contents/container according to the rule of international/country/metropolis and districts/cities and towns. (P501)

PRECAUTIONS FOR USE : Please refer to Safety Data Sheet.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE

:Substance

INGREDIENTS AND CONTENTS

No. COMPONENT

Wt%

CAS

1 Polyoxyethylene Laurylether

100

9002-92-0

(Unreacted 1-Dodecanol<10%)

4. FIRST-AID MEASURES

IF INHALED

: Remove to fresh air and keep comfortable for breathing.

IF ON SKIN

: Wash with plenty water.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contact a doctor promptly. Immediately call a POISON CENTER or doctor

IF SWALLOWED

: Call a POISON CENTER doctor. If you feel unwell.

PROTECTION OF THE PERSON MAKING THE EMERGENCY MEASURES

: Rescuers rubber gloves should be worn protective equipment, such as sealed goggles.

THE SPECIAL INSTRUCTIONS FOR THE DOCTOR

: No information.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

: Dry chemical, Foam chemical, Carbon dioxide, sand, Spray water.

UNSUITABLE EXTINGUISHING MEDIA

: Rod-like water.

SPECIFIC FIRE-FIGHTING HAZARDS

: To the combustion gas, contains a toxic gas such as carbon monoxide. Extinguish the fire careful not to inhale the smoke.

SPECIFIC METHODS OF FIRE-FIGHTING

: Eliminate the source of combustion, extinguish a fire using the fire extinguishing agent appropriate. As much as possible to do extinguish the fire from upwind. Non-official is to be saved in a secure location. Cool by watering the surrounding facilities. Drainage for fire-fighting, appropriate measures should be taken as chemicals and substance does not flow out to rivers or sewage. Appropriate measures should be taken as chemicals and substance does not flow out to rivers or sewage in drainage for fire fighting.

PROTECTIVE FOR FIRE-FIGHTERS

: To extinguish the fire appropriate protective equipment (gloves, glasses, masks, etc.) to wear.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

: The work should be worn (gloves, glasses) protective equipment. If large amounts of spilled material, safely retract the human. To ensure ventilation as needed.

ENVIRONMENTAL PRECAUTIONS

: Avoid release to the environment.

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METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

: If a small amount of, after the removal of adsorbed (such as sand, earth, sawdust, rags), well wipe cloth, rag, etc. the rest of the adsorbent.
To recover in case of a large amount such as drum, surrounded by a berr to prevent runoff from lead in a secure location.

PREVENTIVE MEASURES FOR SECONDARY ACCIDENT

: Remove a thing becoming the nearby ignition sources immediately and prepare for extinguishant.
When wet on floor is allowed to stand in a state, slippery so be careful.
Do not walk over the spilled material.
Use the safe tool which does not generate a spark.

7. HANDLING AND STORAGE**HANDLING:****RECOMMENDED HANDLING**

: By a storage condition, the whole or part may solidify. At that time, heat, melt and uniform before use. Keep away from overheating.

TECHINICAL MEASURES

: Close to the handling area, set up facilities for eyewash and body wash.

PRECAUTION FOR SAFE HANDLING

: Flammable – Keep Fire Away.
Avoid contact to eyes and skin.
Adequate ventilation in the workplace do. Wear appropriate protective equipment protective glasses protective gloves. After handling, wash hands and face, and then gargle.

STORAGE:**CONDITIONS FOR SAFE STORAGE**

: Keep container tightly closed and locked. Avoid direct sunlight, well-ventilated store in the dark / cool place. Away from flame.

SAFETY PAKAGING MATERIAL

: Follow a product use container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**PERMISSION VALUE:****JAPAN SOCIETY FOR OCCUPATIONAL HEALTH**

: Not authorized.

ACGIH

: Not authorized.

CONTROL VALUE

: Not authorized.

ENGINEERING MEASURES

: Near a handling place, I install facilities for washing eyes and physical washing. I use an appropriate exhaust ventilating device. The instrumentation assumes it explosion-proof construction, and the facilities carry out static electricity measures.

PROTECTIVE EQUIPMENT:**RESPIRATORY PROTECTION**

: Gas mask if necessary.

HAND PROTECTION

: Impermeable (chemical resistance, oil resistance, solvent resistance) protective gloves.

EYES/FACE PROTECTION

: Protection glasses with the side plate. (Need full protective glasses or goggles type safety glasses)

SKIN/BODY PROTECTION

: Long-sleeved work clothes antistatic.

APPROPRIATE HYGIENE MEASURES

: No information.

9. PHYSICAL AND CHEMICAL PROPERTIES:**PHYSICAL STATE**

: Liquid

COLOR

: White to pale yellow

ODOR

: Characteristic odor

MELTING POINT/SOLIDIFYING POINT

: No data.

BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE

: No data.

FLAMMABILITY

: No data.

LOWER AND UPPER EXPLOSION LIMIT/FLAMMABILITY LIMIT

: No data.

FLASH POINT

: 170°C (Cleveland open-cup method)

AUTO-IGNITION TEMPERATURE

: No data.

DECOMPOSITION TEMPERATURE

: No data.

pH

: About 5 (25°C, 10% Aq. Soln.)

KINEMATIC VISCOSITY

: No data.

SOLUBILITY: WATER SOLUBILITY

: Insoluble

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| SOLUBILITY: SOLVENT SOLUBILITY | : Dissolve in ethanol. |
| PARTITION COEFFICIENT N-OCTANOL/WATER | : No data. |
| VAPOUR PRESSURE | : No data. |
| DENSITY AND/OR RELATIVE DENSITY | : 0.93(30/20°C) |
| RELATIVE VAPOUR DENSITY | : No data. |
| PARTICLE CHARACTERISTICS | : No data. |
| OTHER DATA | : No data. |

10. STABILITY AND REACTIVITY

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|------------------------------------|---|
| REACTIVITY | : Reactivity is low. |
| CHEMICAL STABILITY | : Conditions are stable at normal handling. |
| POSSIBILITY OF HAZARDOUS REACTIONS | : No information. |
| CONDITIONS TO AVOID | : No information. |
| INCOMPATIBLE MATERIALS | : No information. |
| HAZARDOUS DECOMPOSITION PRODUCTS | : No information. |

11. TOXICOLOGICAL INFORMATION

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| ACUTE TOXICITY | |
| ORAL | : Rat, 8.6g/kg male LD50, 9.1g/kg female. Mouse, 4.9g/kg male LD50, 7.6g/kg female. Swiss mice (25 ~ 30g body weight), gastric tube tube (oral gavage), LD50: 5 ~ 10g/kg. |
| SKIN | : But no deaths 8000mg/kg> and 2000mg/kg: rat, LD50. |
| INHALATION | : (GAS) Not classified. (VAPOR) No information. Classification not possible. (DUST, MIST) No information. Classification not possible. |
| SKIN CORROSION/IRRITATION | : Edema (Draize method), after 72h following a rabbit irritation test, skin, PII: 0.58 / 8. |
| SERIOUS EYE DAMAGE/EYE IRRITATION | : Rabbit: 10,20,100% Draize method, concentration, eye drops, 10 and 20% in mild irritation. Moderate stimulation at 100%. |
| RESPIRATORY OR SKIN SENSITIZATION | : Respiratory sensitization: No data available. Skin sensitization: C12AE (9), guinea pig, A total of nine times 3 times / week, for three weeks, to induce in the skin: After two weeks: No sensitization results. (Risk Assessment Document Engineering, stone wash, p.8) Do not show sensitization guinea pig in an experiment using. (Chemical safety assessment sheet, p.4) |
| GERMCELL MUTAGENICITY | : In vitro test (reverse mutation test, Ames test, chromosomal aberration test, unscheduled DNA test), and In vivo test. (mouse micronucleus test) all negative. |
| CARCINOGENICITY | : Carcinogenic is not allowed. (Oral mouse, 2 years) |
| IARC | : Unauthorized. |
| NTP | : Unauthorized. |
| NIHON SANGYO HYGIENE SOCIETY | : Unauthorized. |
| REPRODUCTIVE TOXICITY | : Description of the No.89 (2005) hazard assessment of CERI-NITE. Reproductive toxicity study in rats, reproductive toxic effects have not been seen in a teratogenicity study. |
| SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE | : No information. Classification not possible. |
| SPECIFIC TARGET ORGAN TOXICITY, REPEATED EXPOSURE | : No information. Classification not possible. |
| ASPIRATION HAZARD | : No information. Classification not possible. |

12. ECOLOGICAL INFORMATION

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| ECOTOXICITY | : Pimephales promelas. EO 3 ~ 12 mol LC50: 0.48 ~ 12mg / L (96 hours |
| PERSISTENCE AND DEGRADABILITY | : Be readily biodegradable aerobically, under anaerobic conditions. |

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| BIOACCUMULATIVE POTENTIAL | : No information. |
| MOBILITY IN SOIL | : No information. |
| HAZARD TO THE OZONE LAYER | : No information. |
| OTHER DATA | : No information. |

13. DISPOSAL CONSIDERATIONS

: See the chapter "Precautions for Handling and storage".

Entrusted to specialized industrial waste disposal company has received the permission of the prefectural governor.
 If the combustion process is performed, during combustion, such as carbon monoxide occurs because, in small portions to be disposed of by incineration.
 When disposing of empty containers and dispose after complete removal of the contents.
 Incineration is done with care because contain flammable substances.
 If possible, it is desirable to recycle empty containers / packaging.

14. TRANSPORT INFORMATION

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| UN NUMBER | : UN3082 |
| PROPER SHIPPING NAME | : Environmentally Hazardous Substance, Liquid, n.o.s.(containing Alcohol C12-C16 Poly(1-6)Ethoxylate) |
| CLASS | : Class9 |
| PACKING GROUP | : III |
| MARINE POLLUTANT | : Marine pollutant. |
| IBC CODE and ANNEX II MARPOL73/78 | : IBC Code: Alcohol (C12-C16) poly(1-6)ethoxylates |
| SPECIFIC CONDITIONS of TRANSPORT and SAFETY MEASURES | : See: "Accidental Release Measures of treatment when leakage". See the chapter "Precautions for Handling and storage". Make sure that there is no damage or leakage of the container. To ensure the prevention of collapse of the luggage. In accordance with applicable laws and regulations, do packaging, display and transportation. |
| EMERGENCY FIRST AID GUIDELINE NUMBER | : 171 |
| INTERNATIONAL REGULATIONS | : Comply with the rules of IATA air transport and IMDG sea transport. |
| LOCAL REGULATIONS | : Land transportation: According to the method of transportation has been established Fire Service Act, the Occupational Safety and Health Act, etc.. Maritime transport: According to the method of transportation is specified in the Ship Safety Law. Air transport: According to the method of transportation have been established in the Aviation Law. |

15. REGULATORY INFORMATION

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| CHEMICAL SUBSTANCES CONTROL LAW (THE SPECIFIED CHEMICAL, MONITOR CHEMICALS) | : Japan CSCL: Priority Assessment Chemical Substances Number:189 alpha-Alkyl(C=12-15)-omega-hydroxypoly(oxyethylene) (It is limited that a number-average molecular weight of the polymer is less than 1,000. Japan CSCL: Priority Assessment Chemical Substances Number :171 Alkanol(C=10-16) (only the substances that contain any of C=11-14 components) |
| POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW | : Not applicable. |

REGISTRATION INFORMATION:

| No. | ENCS (Japan) | TSCA (USA) | EINECS (EU) | AICS (Australia) | DSL (Canada) | ECL (Korea) | PICCS (Philippines) | IECSC (China) |
|-----|--------------|------------|-----------------|------------------|--------------|-------------|---------------------|---------------|
| 1 | 7-97 | Listed | 500-002-6 (NLP) | Listed | Listed | KE-12935 | Listed | Listed |

16. OTHER INFORMATION:

REFERENCE:

| | |
|---------------------|---|
| MANUFACTURER'S NAME | : NIHON EMULSION CO., LTD. |
| ADDRESS | : 5-32-7 Koenji-Minami Suginami-Ku Tokyo 166-0003 Japan |

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|--------------------------|------------------------------|
| DEPARTMENT IN CHARGE | : SALES DEPARTMENT |
| DEPARTMENT THAT PREPARED | : R&D DEPARTMENT |
| PHONES NUMBERS | : (81)3-3314-3211 |
| FAX NUMBERS | : (81)3-3312-7207 |
| E-MAIL ADDRESS | : trade@nihon-emulsion.co.jp |
| EMERGENCY CONTACT | : (81)3-3314-3211 |

REFERENCE

- Japanese Industrial Standards JIS Z 7253 : 2019 Hazard communication of chemicals based on GHS --- Labelling and Safety Data Sheet (SDS)
- International Chemical Safety Cards Japanese version
- Guidelines for creating product safety data sheets (Revised edition) Japan Chemical Industry Association • RESPONSIBLE CARE COUNCIL October 2001
- Japan Surfactant Industry Association MSDS Creation guidelines and Standard MSDS models of major products (Revised edition) November 2001
- Japan Surfactant Industry Association SRA-GHS Classification judgment February 2006
- Japan Chemical Industry Association GHS compliance guidelines for creating product safety data sheets 2nd edition October 2008
- Mitsubishi Research Institute Ministry of Economy, Trade and Industry GHS classification etc. Infrastructure development project report March 2008
- Japanese Industrial Standards JIS Z 7252 : 2019 (Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)")
- Japan Surfactant Industry Association Guidance on the preparation of GHS MSDS of surfactant (2010 edition)

The information contained is based on the present state of best research. However evaluation with respect to data described and are not necessarily sufficient to guarantee safety. All materials may present unknown hazards and should be used in caution. It is the user's responsibility to determine the conditions necessary for the safe use of this product. In case of special use, carry out that appropriate safe handling for new method of use. Ingredients and contents, Physical and chemical properties, Hazard statements are shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This SDS is translated into English language in reference to the laws and regulations were made in Japan.
