SAFETY DATA SHEET

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : EMALEX 710

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.

SERIAL No. : 7100012E

2.HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE:

PHYSICAL HAZARDS: : Not classified, or Classification not possible

HEALTH HAZARDS:

ACUTE TOXICITY (Oral)	: Category 4
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 : Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.
Very toxic to aquatic life.

PRECAUTIONARY STATEMENTS

PREVENTION : Wash thoroughly after handling. (P264)
Do not eat, drink or smoke when using this product. (P270)

Wear protective gloves/protective clothing/eye protection/face protection. (P280)
Avoid release to the environment. (P273)

RESPONSE : IF SWALLOWED: Call a POISON CENTER/ doctor/ If you feel unwell. (P301+P312)
Rinse mouth. (P330)
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

№.	COMPONENT	Wt%	CAS
1	Polyoxyethylene Laurylether	100	9002-92-0

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 : When you feel sick, contact a doctor.
Rinse out a mouth.

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.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	: If a small amount, after removing adsorbed in the adsorbent, well wipe cloth, a rag and the rest. Flush with large amounts of water. If large amounts. Surrounded by a berm to prevent runoff. Processing from the or 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	: 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 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	: In well-ventilated indoors tightly closed container. 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	: If vapor, fume or mist occurs, installing a local exhaust ventilation. Close to the handling area, set up facilities for eyewash and body wash. Equipment is explosion-proof construction, To implement measures against static electricity.

PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION	: In normal handling is not required.
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	: White to pale yellow
COLOR	: Liquid or petrolatum-like substance
ODOR	: Characteristic odor
MELTING POINT/SOLIDIFING POINT	:36℃(Melting point) 26℃ (Solidifying point)
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	: 234℃(Cleveland open-cup method)
AUTO-IGNITION TEMPERATURE	: No data.
DECOMPOSITION TEMPERATURE	: No data.
pH	: About 6 (25℃, 10% Aq. Soln.)
KINEMATIC VISCOSITY	: No data.
SOLUBILITY: WATER SOLUBILITY	: Soluble
SOLUBILITY: SOLVENT SOLUBILITY	: Dissolve in ethanol.

PARTITION COEFFICIENT N-OCTANOL/WATER	: No data.
VAPOUR PRESSURE	: No data.
DENSITY AND/OR RELATIVE DENSITY	: No data.
RELATIVE VAPOUR DENSITY	: No data.
PARTICLE CHARACTERISTICS	: No data.
OTHER DATA	: No data.

10. STABILITY AND REACTIVITY

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

ACUTE TOXICITY

ORAL	: Mouse, LD50: 1170 ～ 7600mg/kg (C12AE11.9 ～ C12AE4)
SKIN	: Rat, LD50:> 2000mg/kg (C12-15AE7 ～ C12, 14AE6.5)
INHALATION	: (GAS) Not classified. (VAPOR) No information. Classification not possible. (DUST, MIST) No information. Classification not possible.
SKIN CORROSION/IRRITATION	: NZW rabbit, Draize test,(C12-13AE (6)): mild irritation (NITE, Hazard assessment, p.24)
SERIOUS EYE DAMAGE/EYE IRRITATION	: NZW rabbit: Draize test, C12-13AE (6),Moderate(100%) Did not recover even after 35 days. No irritation ～mild irritation(10%) (NITE, Hazard assessment, p.24)
RESPIRATORY OR SKIN SENSITIZATION	: No information. Classification not possible.
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	: Carcinogenicity were negative Rat Oral(C12-13AE6.5 and C14-15AE7) Feeding ～500mg/kg(2 years) Percutaneous(C12-13AE6.5)Back coating 5.0%(18 months) (NITE Hazard Assessment p.35)(JSDA, Risk Assessment p.8)
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

ECOTOXICITY	: Pimephales promelas. EO 3 ～12 mol LC50: 0.48 ～ 12mg / L (96 hours.)
PERSISTENCE AND DEGRADABILITY	: Be readily biodegradable aerobically, under anaerobic conditions.
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.
If possible, it is desirable to recycle empty containers / packaging.

14. TRANSPORT INFORMATION

UN NUMBER	: UN3077
PROPER SHIPPING NAME	: Environmentally Hazardous Substance, Solid, n.o.s.(containing Alcohol C12-C16 Poly(7-19)Ethoxylate)
CLASS	: Class9
PACKING GROUP	: III
MARINE POLLUTANT	: Marine pollutant.
IBC CODE and ANNEX II MARPOL73/78	: IBC Code: Alcohol(C12-C16)poly(7-19)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

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.)

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	Polymer	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
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.