

Serial No. 7300010E

## SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : EMALEX 730  
 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 : Emulsifier, Dispersant  
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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 : Not classified  
 SERIOUS EYE DAMAGE/EYE IRRITATION : Category 2B  
 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 2  
 LONG-TERM (CHRONIC) HAZARDOUS TO THE AQUATIC ENVIRONMENT : Not classified  
 HAZARDS TO THE OZONE LAYER : Not classified

## LABEL ELEMENTS:

PICTORIAL REPRESENTATIONS : Not applicable  
 SIGNAL WORD : Warning  
 HAZARD STATEMENTS : Causes eye irritation.  
 Toxic to aquatic life.

## PRECAUTIONARY STATEMENTS

PREVENTION : Wash thoroughly after handling. (P264)  
 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)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 (P305+P351+P338)  
 If eye irritation persists: Get medical advice/attention. (P337+P313)  
 STORAGE : Store in a closed container. (P404)

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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 INGREDIENTS AND CONTENTS		:Substance	
No.	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.
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. If eye irritation persists: Get medical advice/attention.
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	: Do not wash away into rivers and direct sewage spilled material.
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 on 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.
TECHNICAL 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.

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STORAGE:

CONDITIONS FOR SAFE STORAGE : In well-ventilated indoors tightly closed container. Away from flame.

SAFETY PAKAGING MATERIAL : Follow a product use container.

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## 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE : Wax

COLOR : White

ODOR : Characteristic odor

MELTING POINT/SOLIDIFYING POINT : 49°C (Melting point) 43°C (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 : 265°C (Cleveland open-cup method)

AUTO-IGNITION TEMPERATURE : No data.

DECOMPOSITION TEMPERATURE : No data.

pH : About 6 (25°C, 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.

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## 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.

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**11. TOXICOLOGICAL INFORMATION****ACUTE TOXICITY**

ORAL : LD50: 3,500 mg / Kg (male mice), 4,000 mg / Kg (female mice).  
C12 (EO23 mol) (CIR P.7, 11).

SKIN : LD50: 2000 ~ 5000mg/kg (rabbit)  
C12-13 (EO6 mol) ~ C14-15 (EO13 mol) of similar substance.  
(NITE, written hazard assessment, p.24).

INHALATION : (GAS)  
Not classified.  
(VAPOR)  
No information. Classification not possible.  
(DUST, MIST)  
No information. Classification not possible.

SKIN CORROSION/IRRITATION : After 72 hours, erythema, edema score is 0, which can be regarded as non-irritating. C12 (EO23 mol) (CIR P.8, 10)

SERIOUS EYE DAMAGE/EYE IRRITATION : Corneal abnormalities are not seen, the iris. Effect was found to mild conjunctival in 72 hours.  
C12 (EO23 mol) (CIR P.8, 10)

RESPIRATORY OR SKIN SENSITIZATION : No skin sensitization C12 (EO23 mol).  
(Guidelines for warning of a surfactant / surfactant Industry Association of Japan. P.12)

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.

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**12. ECOLOGICAL INFORMATION**

ECOTOXICITY : Killifish LC50 82mg / L C12 (time 48) (EO25 mol) (P.13 certificate hazard assessment NITE).

PERSISTENCE AND DEGRADABILITY : Biodegradability is good. Readily biodegradable aerobically, under anaerobic conditions. (Written hazard assessment NITE. P7)

BIOACCUMULATIVE POTENTIAL : No information.

MOBILITY IN SOIL : No information.

HAZARD TO THE OZONE LAYER : No information.

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**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.

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**14. TRANSPORT INFORMATION**

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UN NUMBER	: Does not fall under the classification criteria of the United Nations United Nations classification.
PROPER SHIPPING NAME	: Not applicable.
CLASS	: Not applicable.
PACKING GROUP	: Not applicable.
MARINE POLLUTANT	: Not applicable.
IBC CODE and ANNEX II MARPOL73/78	: IBC Code: Alcohol(C12-C16)poly(20+)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	: Not applicable.
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)	: Not applicable.
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
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

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.