

Serial No. 300DISEX0009E

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : EMALEX 300di-ISEX

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:

EXPLOSIVES : Not classified

FLAMMABLE GASES : Not classified

AEROSOLS : Not classified

OXIDIZING GASES : Not classified

GASES UNDER PRESSURE : Not classified

FLAMMABLE LIQUIDS : Not classified

FLAMMABLE SOLIDS : Not classified

SELF-REACTIVE SUBSTANCES AND MIXTURES : Not classified

PYROPHORIC LIQUIDS : Not classified

PYROPHORIC SOLIDS : Not classified

SELF-HEATING SUBSTANCES AND MIXTURES : Not classified

SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT FLAMMABLE GASES : Not classified

OXIDIZING LIQUIDS : Not classified

OXIDIZING SOLIDS : Not classified

ORGANIC PEROXIDES : Not classified

CORROSIVE TO METALS : Classification not possible

DESENSITIZED EXPLOSIVES : Not classified

HEALTH HAZARDS:

ACUTE TOXICITY (Oral) : Not classified

ACUTE TOXICITY (Dermal) : Classification not possible

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 : Not classified

RESPIRATORY SENSITIZATION : Classification not possible

SKIN SENSITIZATIONS : Category 1

GERM CELL MUTAGENICITY : Classification not possible

CARCINOGENICITY : Classification not possible

REPRODUCTIVE TOXICITY : Classification not possible

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

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LONG-TERM (CHRONIC) HAZARDOUS TO THE AQUATIC ENVIRONMENT
HAZARDS TO THE OZONE LAYER

: Category 2

: Classification not possible

LABEL ELEMENTS:

PICTORIAL REPRESENTATIONS



SIGNAL WORD

: Warning

HAZARD STATEMENTS

: May cause an allergic skin reaction

Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

PREVENTION : Avoid breathing dust/fume/gas/mist/vapours/spray. (P261)
Contaminated work clothing should not be allowed out of the workplace. (P272)

Avoid release to the environment. (P273)

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

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)

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

If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)

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 Polyethylene Glycol Diisostearate	100	68958-56-5

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.
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.

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- 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 : 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 : 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 : Liquid

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COLOR	: Light yellow to yellow
ODOR	: Slightly characteristic odor
MELTING POINT/SOLIDIFYING POINT	: -30°C~0°C (Melting point)
BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE	: 444°C
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	: No data.
KINEMATIC VISCOSITY	: No data.
SOLUBILITY: WATER SOLUBILITY	: No data.
SOLUBILITY: SOLVENT SOLUBILITY	: Dissolve in ethanol.
PARTITION COEFFICIENT N-OCTANOL/WATER	: Log Pow >4.7 (OECD 117)
VAPOUR PRESSURE	: 20°C 1.9×10^{-5} p/Pa 25°C 3.5×10^{-5} p/Pa 50°C 5.8×10^{-4} p/Pa (OECD 104)
DENSITY AND/OR RELATIVE DENSITY	: 0.95(30/20°C)
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	: Rat, Oral toxicity(OECD TG 423) LD50 > 2000mg/kg
SKIN	: No information. Classification not possible.
INHALATION	: (GAS) Not classified. (VAPOR) No information. Classification not possible. (DUST, MIST) No information. Classification not possible.
SKIN CORROSION/IRRITATION	: Rabbit, Skin irritaion(OECD TG 404) Mean value Erythema formation : 1.0 Oedema formation: 0.7 Not classified.
SERIOUS EYE DAMAGE/EYE IRRITATION	: Rabbit, Eye irritation(OECD TG 405) Mean value Iritis: 0.0 Conjunctival oedema: 0.0 Not classified.
RESPIRATORY OR SKIN SENSITIZATION	: Skin sensitization (OECD 406) Dermal induction:75%, Challenge: 25%. Ctegory 1.
GERMCELL MUTAGENICITY	: Negative. (Test AMES)
CARCINOGENICITY	: No information. Classification not possible.
IARC	: Unauthorized.
NTP	: Unauthorized.
NIHON SANGYO HYGIENE SOCIETY	: Unauthorized.
REPRODUCTIVE TOXICITY	: No information. Classification not possible.
SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE	: No information. Classification not possible.

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SPECIFIC TARGET ORGAN TOXICITY, REPEATED EXPOSURE	: No information. Classification not possible.
ASPIRATION HAZARD	: No information. Classification not possible.

12. ECOLOGICAL INFORMATION

ECOTOXICITY	: SHORT-TERM (ACUTE): Crustacean (Daphnia magna) 48 hours EC50 = 1.29 mg/L, so it was classified as Category 2. LONG-TERM (CHRONIC): NOEC = 0.01 mg/L. Since it is well-degradable, it was classified as Category 2.
PERSISTENCE AND DEGRADABILITY	: Readily degradable. (85.2% degradation after 28 days)
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	: UN3082
PROPER SHIPPING NAME	: Environmentally Hazardous Substance, Liquid, n.o.s.
CLASS	: Class9
PACKING GROUP	: III
MARINE POLLUTANT	: Marine pollutant.
IBC CODE and ANNEX II MARPOL73/78	: Not applicable.
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)	: 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	7-88	Listed	Non	Non	Listed	Non	Non	Non

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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.
