1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:  EMALEX OD-10
MANUFACTURER’S NAME:  NIHON EMULSION CO., LTD.
ADDRESS:  5-32-7 Koenji-Minami Suginami-Ku Tokyo 166-0003 Japan
DEPARTMENT IN CHARGE:  SALES DEPARTMENT
PHONE 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

2. HAZARDS IDENTIFICATION

THE MOST IMPORTANT HAZARD:  

PHYSICAL HAZARDS:

EXPLOSIVES:  Not applicable
INFLAMMABLE GAS:  Not applicable
INFLAMMABLE AEROSOL:  Not applicable
OXIDIZING GAS:  Not applicable
GAS UNDER PRESSURE:  Not applicable
FLAMMABLE LIQUID:  Not applicable
FLAMMABLE SOLID:  Unclassifiable
SELF-REACTIVE SUBSTANCE AND MIXTURE:  Not applicable
PYROPHORIC LIQUID:  Not applicable
PYROPHORIC SOLID:  Not applicable
SELF-HEATING SUBSTANCE AND MIXTURE:  Not applicable
WATER REACTIONS FLAMMABLE CHEMICAL SUBSTANCE:  Not applicable
OXIDIZING LIQUID:  Not applicable
OXIDIZING SOLID:  Not applicable
ORGANIC PEROXIDE:  Not applicable
CORROSIVE TO METAL:  Unclassifiable

HEALTH HAZARDS:

ACUTE TOXICITY (Oral):  Unclassifiable
ACUTE TOXICITY (Dermal):  Unclassifiable
ACUTE TOXICITY (Inhalation, Gas):  Not applicable
ACUTE TOXICITY (Inhalation, Vapour):  Unclassifiable
ACUTE TOXICITY (Inhalation, Dust, Mist):  Unclassifiable
SKIN CORROSIVE/IRRITATION:  Unclassifiable
RESPIRATORY OR SENSITIZATION:  Unclassifiable
SKIN SENSITIZATIONS:  Unclassifiable
GERM-CELL MUTAGENICITY:  Unclassifiable
CARCINOGENICITY:  Unclassifiable
REPRODUCTIVE TOXICITY:  Unclassifiable
SPECIFIC TARGET ORGAN TOXICITY–SINGLE EXPOSURE:  Unclassifiable
SPECIFIC TARGET ORGAN TOXICITY–REPEATED EXPOSURE:  Unclassifiable
ASPIRATION HAZARD:  Unclassifiable

ENVIRONMENTAL HAZARDS:

HAZARD TO THE AQUATIC ENVIRONMENT (ACUTE):  Unclassifiable
HAZARD TO THE AQUATIC ENVIRONMENT (CHRONIC):  Unclassifiable
HAZARDS TO THE OZONE LAYER:  Unclassifiable
3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE: Single substance

INGREDIENTS AND CONTENTS

<table>
<thead>
<tr>
<th>No.</th>
<th>COMPONENT</th>
<th>Wt%</th>
<th>CAS</th>
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<tr>
<td>1</td>
<td>Polyoxyethylene 2-Octyldodecyl Ether</td>
<td>100</td>
<td>32128-65-7</td>
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4. FIRST AID MEASURES

INHALATION: Remove to fresh air and keep comfortable for breathing.

SKIN CONTACT: Wash with plenty water.

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

INGESTION: 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

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

PROHIBITED EXTINGUISHING MEDIA: Rod-like water.

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

SPECIFIC EXTINGUISHING METHOD: 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 MEASURES IN FIRE: To extinguish the fire appropriate protective equipment (gloves, glasses, masks, etc.) to wear.

6. ACCIDENTAL RELEASE MEASURES

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

CAUTIONS FOR ENVIRONMENT REMOVAL MEASURE: Do not wash away into rivers and direct sewage spilled material.

REM: 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.
## 9. PHYSICAL AND CHEMICAL PROPERTIES:

### PHYSICAL STATE

**APPEARANCE**: Soft wax

**COLOR**: White

**ODOR**: Characteristic odor

**ODOR THRESHOLD**: No data

**BOILING POINT**: No data

**FREEZING POINT**: No data

**FLASH POINT**: $246^\circ$C (Cleveland opening type)

**EVAPORATION RATE**: No data.

**FLAMMABILITY (SOLID, GAS)**: No data.

**COMBUSTION OR EXPLOSIVE PROPERTIES**: No data.

**FLAMMABILITY OR EXPLOSIVE LIMITS (UPPER, LOWER)**: Upper limits: No data. Lower limits: No data.

**VAPOUR PRESSURE**: No data.

**VAPOUR DENSITY**: No data.

**SOLUBILITY: WATER SOLUBILITY**: Insoluble

**SOLUBILITY: SOLVENT SOLUBILITY**: Dissolve in ethanol.

**PARTITION COEFFICIENT N–OCTANOL/WATER**: No data.

**IGNITION POINT**: No data.
10. STABILITY AND REACTIVITY

STABILITY: Conditions are stable at normal handling.

REACTIVITY: Reactivity is low.

CONDITION WHICH SHOULD BE AVOIDED: No information.

MATERIAL WHICH SHOULD BE AVOIDED: No information.

INCOMPATIBLE MATERIALS: No information.

HAZARDOUS DECOMPOSITION PRODUCTS: No information.

OTHER DATA: No information.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (ORAL): No information.

ACUTE TOXICITY (SKIN): No information.

ACUTE TOXICITY (INHALATION: GAS): No information.

ACUTE TOXICITY (INHALATION: VAPOR): No information.

ACUTE TOXICITY (INHALATION: DUST, MIST): No information.

SKIN CORROSION/IRRITATION: No information.

SERIOUS EYE DAMAGE/EYE IRRITATION: No information.

RESPIRATORY OR SKIN SENSITIZATION: No information.

GERM-CELL MUTAGENICITY: No information.

CARCINOGENICITY: No information.

IARC: Unauthorized.

NTP: Unauthorized.

NIHON SANGYO HYGIENE SOCIETY: Unauthorized.

REPRODUCTIVE TOXICITY: No information.

SPECIFICATION TARGETS ORGAN SYSTEMATIC TOXICITY (SINGLE TIME EXPOSURE): No information.

SPECIFICATION TARGETS ORGAN SYSTEMATIC TOXICITY (REPEATS EXPOSURE): No information.

ASPIRATION HAZARD: No information.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No information.

REPRODUCTIVE TOXICITY: No information.

BIOMASS/DEGRADABILITY: No information.

MOBILITY IN SOIL: No information.

ECOTOXICITY: No information.

PERSISTENCE/Degradability: No information.

BIOCUMULATIVE POTENTIAL: No information.

MOBILITY IN SOIL: No information.

OTHER DATA: No information.

13. DISPOSAL CONSIDERATIONS

ATTENTION IN THE DISPOSAL: 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.

14. TRANSPORT INFORMATION
The contents are, but we have prepared on the basis of our best research, and evaluation with respect to data described and are not necessarily sufficient to guarantee safety. Because all chemical products to the hazards of the unknown Ariel, should be handled with extreme caution. The responsibility of whom use us, we ask that you set the safe conditions of use. In addition, when special handling, please use on of the safety measures appropriate to use a new-usage. This safety data sheet is based on the laws and regulations made in Japan.