# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th><strong>PRODUCT NAME</strong></th>
<th>EMALEX GWIS-115</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MANUFACTURER’S NAME</strong></td>
<td>NIHON EMULSION CO., LTD.</td>
</tr>
<tr>
<td><strong>ADDRESS</strong></td>
<td>5-32-7 Koenji-Minami Suginami-Ku Tokyo 166-0003 Japan</td>
</tr>
<tr>
<td><strong>DEPARTMENT IN CHARGE</strong></td>
<td>SALES DEPARTMENTS</td>
</tr>
<tr>
<td><strong>PHONES NUMBERS</strong></td>
<td>(81)3-3314-3211</td>
</tr>
<tr>
<td><strong>FAX NUMBERS</strong></td>
<td>(81)3-3312-7207</td>
</tr>
<tr>
<td><strong>E-MAIL ADDRESS</strong></td>
<td><a href="mailto:trade@nihon-emulsion.co.jp">trade@nihon-emulsion.co.jp</a></td>
</tr>
<tr>
<td><strong>EMERGENCY CONTACT</strong></td>
<td>(81)3-3314-3211</td>
</tr>
</tbody>
</table>

## 2. HAZARD AND TOXICITY INFORMATION

### THE MOST IMPORTANT HAZARD

<table>
<thead>
<tr>
<th><strong>GHS CLASSIFICATION</strong></th>
<th></th>
</tr>
</thead>
</table>

### PHYSICOCHEMICAL RISK:

- EXPLOSIVES: Not applicable
- INFLAMMABLE GAS: Not applicable
- INFLAMMABLE AEROSOL: Not applicable
- OXIDIZING GAS: Not applicable
- GAS UNDER PRESSURE: Not applicable
- FLAMMABLE LIQUID: Out of category
- FLAMMABLE SOLID: Not applicable
- 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

### HAZARDOUS PROPERTY FOR THE HEALTH:

- ACUTE TOXICITY (Oral): Unclassifiable
- ACUTE TOXICITY (Transdermal): Unclassifiable
- ACUTE TOXICITY (Inhalation, Gas): Not applicable
- ACUTE TOXICITY (Inhalation, Steam): Unclassifiable
- ACUTE TOXICITY (Inhalation, Dust, Mist): Unclassifiable
- SKIN CORROSIVE/IRRITATION: Unclassifiable
- SERIOUS EYE DAMAGE/EYE IRRITATION: Unclassifiable
- RESPIRATORY SENSITIZATIONS: 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 NHAZARD: Unclassifiable

### REPRODUCTIVE TOXICITY:

- WATER ENVIRONMENT HAZARDOUS PROPERTY (ACUTE): Unclassifiable
- WATER ENVIRONMENT HAZARDOUS PROPERTY (CHRONIC): Unclassifiable
- HAZARDOUS PROPERTY TO THE OZONE LAYER: Unclassifiable
3. COMPOSITION, INFORMATION ON THE AN INGREDIENT:

<table>
<thead>
<tr>
<th>No.</th>
<th>COMPONENT</th>
<th>Wt%</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Polyoxethylene Glyceryl Isostearate</td>
<td>100</td>
<td>68958-58-7</td>
</tr>
</tbody>
</table>

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**: Do not wash away into rivers and direct sewage spilled material.
- **REMOVAL MEASURE**: 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 : Oil
COLOR : Pale yellow
ODOR : Characteristic odor
THE THRESHOLD OF ODOR : No data
pH (MEASUREMENTS CONDITION) : No data
BOILING POINT : No data
MELT POINT : No data
FLASH POINT : 256°C (Cleveland opening type)
EVAPORATION RATE : No data.
FLAMMABILITY (A SOLID, GAS) : No data.
COMBUSTION OR EXPLOSIVE : No data.
FLAMMABLE OR EXPLOSION LIMITS (UPPER LIMITS, LOWER LIMITS) : Higher limit: No data. Lower limits: No data.
VAPOR PRESSURES : No data.
VAPOR DENSITY : No data.
SPECIFIC GRAVITY : No data.
SOLUBILITY: WATER SOLUBILITY : Insoluble
SOLUBILITY: SOLVENT SOLUBILITY : Dissolve in ethanol.
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.
CRITICAL DAMAGE/IRRITATION OVER AN EYE: No information.
RESPIRATORY SENSITIZATION OR SKIN SENSITIZATION: No information.
GERM-CELL MUTAGENICITY: No information.
CARCINOGENIC PROPERTIES: 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.
ASPIRATIONS RESPIRATORY TRACT HAZARDS: No information.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No information.
PERSISTENT/DEGRADABILITY: No information.
BIACCUMULATIVE: No information.
MOBILITY IN SOILS: No information.
OTHER DATA: No information.

13. DISPOSAL CONSIDERATION

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.
Incineration is done with care because contain flammable substances.
14. TRANSPORT INFORMATION

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.

INTERNATIONAL REGULATIONS: Comply with the rules of IATA air transport and IMDG sea transport.

UN CLASSIFICATION AND UN NUMBER: Does not fall under the classification criteria of the United Nations United Nations classification.

IATA: UN NUMBER
- Proper Shipping Name:
- Class:
- Packing Group:

IMDG: UN NUMBER
- Proper Shipping Name:
- Class:
- Packing Group:
- Additional Information:

IBC CODE and ANNEX II MARPOL73/78:

SPECIFIC CONDITIONS of TRANSPORT and SAFETY MEASURES: See: “Accidental Release Measures of treatment when leakage”.

EMERGENCY FIRST AID GUIDELINE NUMBER:

15. REGULATORY INFORMATION

CHEMICAL SUBSTANCES CONTROL LAW (THE SPECIFIED CHEMICAL, MONITOR CHEMICALS): Not applicable.

POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW: Not applicable.

MATERIAL REGISTRATION INFORMATION:

<table>
<thead>
<tr>
<th>No.</th>
<th>ENCS (Japan)</th>
<th>TSCA (USA)</th>
<th>EINECS (EU)</th>
<th>AICS (Australia)</th>
<th>DSL (Canada)</th>
<th>ECL (Korea)</th>
<th>PICCS (Philippines)</th>
<th>IECSC (China)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7-137</td>
<td>Listing</td>
<td>Polymer</td>
<td>Listing</td>
<td>Non</td>
<td>Non</td>
<td>Unknown</td>
<td>Listing</td>
</tr>
</tbody>
</table>

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 DEPARTMENTS
- 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 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 product safety data sheet is based on the laws and regulations were made in Japan.