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## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                                         |                                                                     |
|-----------------------------------------|---------------------------------------------------------------------|
| Product Name                            | : NIKKOL SL-10                                                      |
| Company                                 | : NIPPON SURFACTANT INDUSTRIES CO., LTD.                            |
| Address                                 | : 7-14 Hiraide Kogyo Danchi Utsunomiya, Tochigi 321-0905, JAP<br>AN |
| Division                                | : Quality Assurance Division                                        |
| Tel. No.                                | : 028-661-6121                                                      |
| Fax No.                                 | : 028-663-0426                                                      |
| E-Mail address                          | : info-sds@nikkolgroup.com                                          |
| Emergency tel. No.                      | : NIKKO CHEMICALS CO., LTD.+81-3-3661-1677                          |
| Recommended use and restrictions on use | :                                                                   |

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

|                                                                |                               |
|----------------------------------------------------------------|-------------------------------|
| Physical and Chemical Hazards                                  | : Not classified              |
| Health Hazards                                                 |                               |
| Acute Toxicity (Oral)                                          | : Not classified              |
| Acute Toxicity (Dermal)                                        | : Classification not possible |
| Acute Toxicity<br>(Inhalation : gases)                         | : Not classified              |
| Acute Toxicity<br>(Inhalation : vapors)                        | : Classification not possible |
| Acute Toxicity<br>(Inhalation : dust, mists)                   | : Classification not possible |
| Skin Corrosion / Irritation                                    | : Not classified              |
| Serious Eye Damage / Eye Irritation                            | : Not classified              |
| Respiratory Sensitization                                      | : Classification not possible |
| Skin Sensitization                                             | : Classification not possible |
| Germ Cell Mutagenicity                                         | : Classification not possible |
| Carcinogenicity                                                | : Not classified              |
| Reproductive Toxicity                                          | : Classification not possible |
| Specific Target Organ Systemic<br>Toxicity (Single Exposure)   | : Classification not possible |
| Specific Target Organ Systemic<br>Toxicity (Repeated Exposure) | : Not classified              |
| Aspiration Hazard                                              | : Classification not possible |
| Environmental Hazards                                          |                               |
| Short-term (acute) hazardous to<br>the aquatic environment     | : CATEGORY 3                  |
| Long-term (chronic) hazardous to<br>the aquatic environment    | : Not classified              |
| Hazardous to The Ozone Layer                                   | : Classification not possible |
| GHS Label Elements                                             |                               |
| Pictograms or Symbols                                          | :                             |

2025/06/27

#### Special Methods

: Remove all combustible objects away from the fire and use adequate extinguishing media. Preferably extinguish the fire from the same direction of the wind. Evacuate personnel not involved in fire extinguishing to safe area. Equipment and machinery in proximity of fire must be sprayed with water to cool. Water used to extinguish a fire should not be allowed to enter the drainage system or water courses.

#### Special Protective Action for Fire-Fighters

: Use goggles in combination with dust mask. During a fire, toxic gases (e.g., carbon monoxide, nitrogen oxide etc) may be generated. Avoid inhaling smoke during fire extinguishing.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedure  
Environmental Precautions  
Methods and Materials for Contamination and Cleaning Up

: Use goggles and protective gloves. In case of large spills, remove person to safety. Ensure adequate ventilation.

: Do not discharge into river or sewer.

: In case of a small spill, absorb with liquid-binding material (sand, soil, cloth) and wipe away the remains with cloth or fabric. Flush surroundings with large amounts of water. In case of a large spill, surround it with the mound of sand or soil to prevent elution and collect into drums or other containers.

#### Prevention of Secondary Hazards

: Promptly remove all combustible objects away from the spill and prepare fire extinguishing media. The spills on the floor must be cleaned promptly, otherwise they present a risk of traumatic accident. Avoid walking or stepping on the spills. While cleaning the spill use adequate tools that do not promote sparks of fire.

## 7. HANDLING AND STORAGE

#### Handling

##### Technical Measures

: The shower with water (for washing of eyes and body) must be installed near the handling facility.

##### Contact Avoidance

: Keep away from source of ignition.

##### Safe Handling Advice

: Use adequate ventilation. Use goggles and protective gloves. Wash thoroughly after handling.

#### Storage

##### Suitable Storage Conditions

: Store in a well-ventilated place. Keep cool.

##### Safe Packaging Materials

: No information available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control parameters

##### ACGIH

: Not established (2008)

#### Engineering Measures

: Exhaust system must be installed in case steam, fume or mist is generated at the operation facility. Shower with water (for washing eyes and body) must be installed near the handling facility.

#### Protective Equipment

##### Respiratory Protection

: Not needed in case of standard handling.

##### Hand Protection

: Impermeable protective gloves.

##### Eye/Face Protection

: Goggles or protective glasses with side protectors.

##### Skin and Body Protection

: Workwear with long sleeves.

#### Special Precautions

: No data available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                          |                                                |
|----------------------------------------------------------|------------------------------------------------|
| Physical State                                           | : Liquid                                       |
| Color                                                    | : Light yellow to brownish yellow              |
| Odor                                                     | : Faint characteristic odor                    |
| Melting Point / Congealing point                         | : No data                                      |
| Boiling Point or initial boiling point and boiling range | : No data                                      |
| Flammability                                             | : No data                                      |
| Lower and Upper explosion limit / Flammability Limits    | : Upper Limit : No data, Lower Limit : No data |
| Flash Point                                              | : 232°C (Cleveland Open Cup)                   |
| Auto-Ignition Temperature                                | : No data                                      |
| Decomposition Temperature                                | : No data                                      |
| pH                                                       | : 5~7 (5% aq.sol.)                             |
| Kinematic Viscosity                                      | : No data                                      |
| Solubility                                               | : Insoluble (10%)                              |
| 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                                 | :                                              |
| Other Data                                               | : No data                                      |

## 10. STABILITY AND REACTIVITY

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Reactivity                         | : Stable in general.                 |
| Chemical Stability                 | : Stable in general.                 |
| Possibility of Hazardous Reactions | : No data available                  |
| Condition to Avoid                 | : No data available                  |
| Incompatible Materials             | : No Data                            |
| Hazardous Decomposition Products   | : Carbon monoxide, Nitrogen compound |

## 11. TOXICOLOGICAL INFORMATION

|                                                             |                                                                                                                |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Acute Toxicity (oral)                                       | : LD50, Rat, >41,250 mg/kg (2)                                                                                 |
| Acute Toxicity (dermal)                                     | : No data                                                                                                      |
| Acute Toxicity (Inhalation : gases)                         | : No data                                                                                                      |
| Acute Toxicity (Inhalation : vapors)                        | : No data                                                                                                      |
| Acute Toxicity (Inhalation : dust, mists)                   | : No data                                                                                                      |
| Skin Corrosion / Irritation                                 | : Human, 50 people, 100%, Occlusive patch, 72hr, Non irritant (1)                                              |
| Serious Eye Damage / Irritation                             | : Rabbit, Not irritating (2)                                                                                   |
| Respiratory or Skin Sensitization                           | : No data                                                                                                      |
| Mutagenicity (germ cell mutagenicity)                       | : No data                                                                                                      |
| Carcinogenicity                                             |                                                                                                                |
| IARC                                                        | : Not applicable                                                                                               |
| NTP                                                         | : Not applicable                                                                                               |
| Reproductive Toxicity                                       | : No data                                                                                                      |
| Specific Target Organ Systemic Toxicity (Single Exposure)   | : No data                                                                                                      |
| Specific Target Organ Systemic Toxicity (Repeated Exposure) | : Rat, 2.5% in diet (2200 mg/kg/day), 13 weeks, No histopathological or gross abnormalities were reported. (2) |
| Aspiration Hazard                                           | : No data                                                                                                      |

## 12. ECOLOGICAL INFORMATION

|                              |                                                                      |
|------------------------------|----------------------------------------------------------------------|
| Ecotoxicity                  | : LC50 : 75mg/L,Rainbow trout,96hr(OECD guide-line 203)              |
| Persistence / Degradability  | : MITI-I(OECD TG 301C) : BOD 57%、HPLC 100%、Ready biodegradability(3) |
| Bioaccumulative Potential    | : No data                                                            |
| Mobility in Soil             | : No data                                                            |
| Hazardous to The Ozone Layer | : No data                                                            |

## 13. DISPOSAL CONSIDERATIONS

Either incinerate in small quantities in the incinerator or entrust to a specialized waste disposal contractor licensed by the prefectural governor.

## 14. TRANSPORT INFORMATION

|                              |                                                                                                                                                                                          |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| International Regulations    | : Please follow applicable IATA regulations for air transport and IMDG regulations for sea transport.                                                                                    |
| UN Class / UN Number :       |                                                                                                                                                                                          |
| IATA : UN Number             | : —                                                                                                                                                                                      |
| Proper Shipping Name         | :                                                                                                                                                                                        |
| Class                        | :                                                                                                                                                                                        |
| Packing Group                | :                                                                                                                                                                                        |
| IMDG : UN Number             | : —                                                                                                                                                                                      |
| Proper Shipping Name         | :                                                                                                                                                                                        |
| Class                        | :                                                                                                                                                                                        |
| Packing Group                | :                                                                                                                                                                                        |
| Additional Information       | :                                                                                                                                                                                        |
| Special Precautions for User | : Review "Section 7 : "Handling and Storage".<br>Ensure containers without breakage or leakage.<br>Ensure containers tightly fixed.<br>Follow all regulations in your country or region. |

## 15. REGULATORY INFORMATION

|               |        |
|---------------|--------|
| Inventories : |        |
| ENCS(Japan)   | : 8-63 |

## 16. OTHER INFORMATION

|           |                                                                                                              |
|-----------|--------------------------------------------------------------------------------------------------------------|
| Reference | : International Chemical Safety Cards(ICSC)Compiler's Guide<br>(1)"Cosmetics Handbook" Nikko Chemicals(2006) |
|-----------|--------------------------------------------------------------------------------------------------------------|

The information described herein is based on the documents, information and data, etc. on this product that are currently available to us, but the values, such as contents of ingredients, physical and chemical properties, are not necessarily identical to those in the specification. In addition, the precautions are intended for the cases where this product is handled and used under normal conditions. Thus, in cases of special uses or handling, users should use and handle it, taking appropriate safety measures in accordance with the intended uses and how to use the product.