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Code: S104174

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

|   |   |
|---|---|
| Product Name                            | : NIKKOL NIKKOMULESE 61H  |
| Company                                 | : NIPPON SURFACTANT INDUSTRIES CO., LTD.                        |
| Address                                 | : 7-14 Hiraide Kogyo Danchi Utsunomiya, Tochigi 321-0905, JAPAN |
| Division                                | : Technical 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)                                       | : CATEGORY 5                  |
| Acute Toxicity (Dermal)                                     | : Classification not possible |
| Acute Toxicity (Inhalation : gases)                         | : Not classified              |
| Acute Toxicity (Inhalation : vapors)                        | : Classification not possible |
| Acute Toxicity (Inhalation : dust, mists)                   | : Classification not possible |
| Skin Corrosion / Irritation                                 | : Classification not possible |
| Serious Eye Damage / Eye Irritation                         | : CATEGORY 2A                 |
| Respiratory Sensitization                                   | : Classification not possible |
| Skin Sensitization  | : CATEGORY 1                  |
| Germ Cell Mutagenicity                                      | : Classification not possible |
| Carcinogenicity   | : Classification not possible |
| Reproductive Toxicity                                       | : Classification not possible |
| Specific Target Organ Systemic Toxicity (Single Exposure)   | : Classification not possible |
| Specific Target Organ Systemic Toxicity (Repeated Exposure) | : Classification not possible |
| Aspiration Hazard   | : Classification not possible |
| Environmental Hazards                                       |                               |
| Short-term (acute) hazardous to the aquatic environment     | : Classification not possible |
| Long-term (chronic) hazardous to the aquatic environment    | : Classification not possible |
| Hazardous to The Ozone Layer                                | : Classification not possible |

#### GHS Label Elements

Pictograms or Symbols

:



Signal Word

: Warning

Hazard Statements

: **【H303】** May be harmful if swallowed  
**【H319】** Causes serious eye irritation  
**【H317】** May cause an allergic skin reaction

Precautionary Statements

**【Prevention】**

: **【P264】** Wash thoroughly after handling.  
**【P280】** Wear protective gloves / protective clothing / eye protection / face protection.  
**【P261】** Avoid breathing dust / fume / gas / mist / vapours / spray.  
**【P272】** Contaminated work clothing should not be allowed out of the workplace.

**【Response】**

: **【P312】** Call a doctor / physician if you feel unwell.  
**【P305+P351+P338】** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**【P337+P313】** If eye irritation persists: Get medical advice / attention.  
**【P302+P352】** IF ON SKIN: Wash with plenty of soap and water.  
**【P333+P313】** If skin irritation or rash occurs: Get medical advice / attention.  
**【P363】** Wash contaminated clothing before reuse.

**【Storage】**

: **【P404】** Store in a closed container.

**【Disposal】**

: **【P501】** Dispose of contents/container in accordance with local/regional/national/international regulation (to be specified).

**【Safe Handling Advice】**

: **【N00-010】** Refer to SDS  
**【PN001】** Avoid dust formation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance or Mixture

: Mixture

Ingredients and Concentration Range

:

Ingredient (INCI Name)

concentration(%)

/ CAS RN®

Behenyl alcohol

45-60

/ 661-19-8

(Behenyl alcohol)

Decaglyceryl Pentastearate

35-50

/ 95461-64-6,9009-32-9

(Polyglyceryl-10 pentastearate)

Dimethylaminopropyl Stearamide

0-15

/ 7651-02-7

(Stearamidopropyl Dimethylamine)

Lactic Acid

0-10

/ 50-21-5

(Lactic Acid)

### 4. FIRST-AID MEASURES

|                         |  |
|-------------------------|--|
| In Case of Inhalation   | : Take victim to a place of fresh air and keep at rest in a position comfortable for breathing.  |
| In Case of Skin Contact | : Wash with plenty of soap and water.<br>Take off contaminated clothing and wash before reuse.   |
| In Case of Eye Contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>Get medical advice / attention if eye irritation persists.                             |
| In Case of Ingestion    | : Rinse mouth with water, and provide 1-2 cups of water or milk to drink.<br>Get immediate medical advice / attention.<br>In the event that the victim is not conscious, do not feed anything through the mouth. |

## 5. FIRE-FIGHTING MEASURES

|   |   |
|---|---|
| Suitable Extinguishing Media                | : Powder, alcohol-resistant foam, carbon dioxide, sand, water spray.  |
| Not Suitable Extinguishing Media            | : No data available   |
| Special Hazards                             | : During a fire, toxic gases (e.g., carbon monoxide, nitrogen oxide etc) may be generated. Avoid inhaling smoke during fire extinguishing.  |
| 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 | : Use goggles and protective gloves. In case of large spills, remove person to safety. Ensure adequate ventilation.   |
| Environmental Precautions  | : Do not discharge into river or sewer.   |
| Methods and Materials for Containment and Cleaning Up              | : 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.

Spetial Precautions : No data available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Solid  
 Color : White to pale yellow  
 Odor : Faint characteristic odor  
 Melting Point / Congealing point : 65~75°C  
 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 : No data  
 Auto-Ignition Temperature : No data  
 Decomposition Temperature : No data  
 pH : 5~7.5(5% aq.sol.)(Reference)  
 Kinematic Viscosity : No data  
 Solubility : No data  
 Partition Coefficient : n-Octanol / Water : No data  
 Vapour Pressure : No data  
 Decsity and/or Relative Dencity : No data  
 Relative Vapour Dencity : 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)                                       | : (Data on product)No data(Data on ingredient)Behenyl alcohol<br>: Rat LD50>2000mg/kgPolyglyceryl Fatty Acid Esters : LD50,Rat,>29g/kg,10g/kg/day,5 days,Not particularLD50,Rabbit,10-29g/kg/day,5 days, Not particularHuman,37 people,3 weeks,2-20g in feed,16 subjects biometric check, Not particular13 Rat,7weeks,9% in diet,Liver function,Not particular, After 22 weeks,Liver kidney pancreas, Not particularLactic acid : LD50 Mouse 4875mg/kgLD50 Rat 3730mg/kg |
| 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                                 | : (Data on product) No data(Data on ingredient)Behenyl alcohol<br>: Rabbit 4h OECD404 not classifiedDimethylaminopropyl stearamide : Human 20 people 5%aq. Closed patch Non irritantLactic acid : Rabbit Severely irritating   |
| Serious Eye Damage / Irritation                             | : (Data on product) No data available(Data on ingredient)Behenyl alcohol : Rabbit OECD405 not classifiedDimethylaminopropyl stearamide : Rabbit 1%aq. Non eye wash Mildly irritatingLactic acid : Rabbit 0.75mg Severely irritating Rabbit 0.75mg/24h Severely irritating  |
| Respiratory or Skin Sensitization                           | : (Data on product)No data available(Data on ingredient)Skin SensitizationLactic acid:Rabbit 500mg/24h Severely irritating   |
| Mutagenicity (germ cell mutagenicity)                       | : (Data on product)No data(Data on ingredient)Behenyl alcohol: Ames test TA98,TA100 NegativePolyglyceryl Fatty Acid Esters:22 Rats,1.5% in diet,3 generations,Not particularLactic acid:Ames test TA98 Negative  |
| 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) | : No data  |
| Aspiration Hazard   | : No data  |

## 12. ECOLOGICAL INFORMATION

|                              |   |
|------------------------------|---|
| Ecotoxicity                  | : (Data on product)No data(Data on ingredient)Behenyl alcohol<br>: Rainbow trout OECD203 96h LL50>1000mg/LLactic acid : Good degradabilityCOD(Mn)0.24g/gBOD 0.67g/g |
| Persistence / Degradability  | : No data   |
| 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)   | : 2-217,7-1145,2-2509,2-1369 |

## 16. OTHER INFORMATION

|           |  |
|-----------|--|
| Reference | : International Chemical Safety Cards(ICSC)Compiler's Guide"Cosmetics Handbook" Nikko Chemicals(2006)<br>CERI·NITE hazard assessment report 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.