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Code: S100218

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	: NIKKOL NET-813-1
Company	: NIPPON SURFACTANT INDUSTRIES CO., LTD.
Address	: 7-14 Hiraide Kogyo Danchi Utsunomiya, Tochigi 321-0905, JAPAN
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 (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	: Classification not possible
Respiratory Sensitization	: Classification not possible
Skin Sensitization	: Classification not possible
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 :

Hazard Statements : 【H000】Not classified

Precautionary Statements

【Prevention】 : 【P264】Wash thoroughly after handling.

【Response】 : 【P301+P312】IF SWALLOWED: Call a doctor / physician if you feel unwell.
【P302+P352】IF ON SKIN: Wash with plenty of soap and water.
【P305+P351+P338】IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

【Storage】 : 【P403+P233】Store in a well-ventilated place. Keep container tightly closed.

【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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance or Mixture : Mixture

Ingredients and Concentration Range :

Ingredient (INCI Name)	concentration(%)	/ CAS RN®
Methyl Polysiloxane (Dimethicone)	35-50	/ -
Glycerin (Glycerin)	5 - 15	/ 56-81-5
Highly Polymerized Methyl Polysiloxane(1) (Dimethicone)	0-15	/ -
Decaglyceryl Monolaurate (Polyglyceryl-10 Laurate)	0-10	/ 34406-66-1
Water,Others (Water,Others)	30-40	/ 7732-18-5

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.
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.
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.
Get immediate medical advice / attention.
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 form, 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.
Spetial 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 Contaminment 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. Store at temperature not exceeding 5°C.
Safe Packaging Materials	: No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

ACGIH	: Glycerin (mist) :TLV-TWA 10mg/m3 (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	: Viscous liquid
Color	: Milky white
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	: No data
Auto-Ignition Temperature	: No data
Decomposition Temperature	: No data
pH	: 5.0~7.0(5% aq.sol.)
Kinematic Viscosity	: No data
Solubility	: Soluble
Partition Coefficient : n-Octanol / Water	: No data
Vapour Pressure	: No data
Decsity and/or Relative Dencity	: 0.9～1.1(25°C)
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)Polydimethylsiloxane：LD50：4800mg/kg(Rat),catrgory 5Glycerin：LD50：12600mg/kg(Rat),Not classifind Decaglyceryl MonolauRate ：LD50>29g/kg,10g/kg/day,5 days,Not particular(Rat)LD50：10-29g/kg/day,5 days, Not particular(Rabbit),Not classifind
Acute Toxicity (dermal)	: (Data on product)：No data(Data on ingredient)Glycerin：LD50＞10000mg/kg(Rabbit),Not classifind
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)Polydimethylsiloxane：Non-Irritation(Human)、Not classifindGlycerin：500 mg/24h：Mild(Rabbit)、Not classifind
Serious Eye Damage / Irritation	: (Data on product)：No data available(Data on ingredient)Glycerin：126mg/24h：Mild(Rabbit),Not classifind

Respiratory or Skin Sensitization	：(Data on product)：No data available(Data on ingredient)：Glycerin：Not classifind
Mutagenicity (germ cell mutagenicity)	：(Data on product)：No data(Data on ingredient)Glycerin：Not classifind
Carcinogenicity	
IARC	：Not applicable
NTP	：Not available
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)Glycerin：LC50 ：＞1000mg/L(Carp)(48h)
Persistence / Degradability	：No data
Bioaccumulative Potential	：No data
Mobility in Soil	：No data
Hazardous to The Ozone Layer	：No data

13. DISPOSAL CINSIDERATIONS

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". Ensure containers without breakage or leakage. Ensure containers tightly fixed. Follow all regulations in your country or region.

15. REGULATORY INFORMATION

Inventories :	
ENCS(Japan)	：7-476,2-242,7-476,7-1145,None

16. OTHER INFORMATION

Reference ：International Chemical Safety Cards(ICSC)Compiler's Guide
Polydimethylsiloxane(Mixture of Methyl Polysiloxane and Highly Polymerized Methyl Polysiloxane(1))

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.