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Code : S001796

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : **NIKKOL BS-2SY**  
 Company : NIHON SURFACTANT KOGYO K.K.  
 Address : 7-14 Hiraide Kogyo Danchi Utsunomiya, Tochigi 321-0905, JAPAN  
 Division : QUALITY ASSURANCE  
 Tel. No. : 028-661-6121  
 Fax No. : 028-663-0426  
 E-Mail address : info-msds@nikkol.co.jp  
 Emergency tel. No. : NIKKO CHEMICALS CO., LTD.  
 : +81-3-3661-1677  
 Recommended use and restrictions on use :  
 :

### 2. HAZARDS IDENTIFICATION

Most Important Hazards and Effects :  
 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 applicable  
 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 :  
 Hazardous to The Aquatic Environment - Acute Toxicity : Classification not possible  
 Hazardous to The Aquatic Environment - Chronic Toxicity : Classification not possible  
 Hazardous to The Ozone Layer : Classification not possible  
 GHS Label Elements :  
 Pictograms or Symbols :  
 Signal Word : Warning  
 Hazard Statements : May be harmful if swallowed  
 Precautionary Statements :  
 【Prevention】 : Wash thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 【Response】 : IF SWALLOWED: Call a doctor/physician if you feel unwell.  
 Rinse mouth.  
 IF ON SKIN: Wash with plenty of soap and water.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 【Storage】 : Store in a closed container.  
 【Disposal】 : Dispose of contents/container in accordance with local/regional/national/international regulation(to be specified).  
 【Safe Handling Advice】 : Refer to SDS

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Substance or Mixture	: Substance		
Ingredients and Concentration Range	:		
Ingredient (INCI Name)		concentration (%)	CAS No.
POE (2) Stearyl Ether ( Steareth-2)		100	16057-43-5

**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**

Extinguishing Media	: Powder, alcohol-resistant form, carbon dioxide, sand, water spray.
Not Suitable Extinguishing Media	: No information available
Special Hazards	: During a fire, toxic gases (e.g., carbon monoxide, nitrogen oxide etc) may be generated. Avoid inhaling smoke during fire extinguishing. 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 Methods	
Protection of 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**

Special Methods	: 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. 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.
Methods for Cleaning Up	: 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.
Prevention of Secondary Hazards	

**7. HANDLING AND STORAGE**

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

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.
Limit Values	
ACGIH	: Not established (2008Y)
Protective Equipment	
Respiratory Protection	: Not needed in case of standard handling.
Hand Protection	: Impermeable protective gloves.
Eye Protection	: Goggles or protective glasses with side protectors.
Skin and Body Protection	: Workwear with long sleeves.
Hygiene Measures	: No information available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

## Physical States

Form : Solid  
 Color : White to pale yellow  
 Odor : Characteristic odor  
 pH : No data available

## Specific Temperatures / temperature Ranges at which Changes in Physical State Occur

Boiling Point : No data available  
 Melting Point (Congealing point) : Melting Point : 45 – 46° C  
 Flash Point : No data available  
 Flammability or Explosive Properties :  
 Flammability or Explosive Limits : Upper Limit : no data Lower Limit : no data  
 Vapour Pressure : No data available  
 Vapour Density : No data available  
 Specific Gravity : No data available  
 Solubility Water Solubility : Insoluble  
 Solvent Solubility : No data available  
 Partition Coefficient : : No data available  
 Auto-Ignition Temperature : No data available  
 Decomposition Temperature : No data available  
 Odor Threshold : No data available  
 Evaporation Rate : No data available  
 Flammability (solid, gas) : No data available  
 Other Data :

**10. STABILITY AND REACTIVITY**

Chemical Stability : Stable in general.  
 Possibility of Hazardous Reactions : Stable in general.  
 Condition to Avoid : No information available  
 Incompatible Materials : No information available  
 Hazardous Decomposition Products : Carbon monoxide, Nitrogen compound  
 Others :

**11. TOXICOLOGICAL INFORMATION**

Acute Toxicity (oral) : LD50 , Rat , oral , >25g/kg  
 [Ref. NIKKOL BS-2 (POE (2) Stearyl Ether)]  
 Acute Toxicity (dermal) : No data available  
 Acute Toxicity (Inhalation : gases) : No data available  
 Acute Toxicity (Inhalation : vapors) : No data available  
 Acute Toxicity (Inhalation : dust, mists) : No data available  
 Skin Corrosion / Irritation : No data available  
 Serious Eye Damage / Irritation : ①Rabbit , 60%a.q.solu. Eyedrop , Mildly irritating  
 ②Rabbit , Draize , 60%a.q.solu. , Non eyewash : Negligibly irritating , Eyewash : Non irritant  
 [Ref. NIKKOL BS-2 (POE (2) Stearyl Ether)]  
 Respiratory or Skin Sensitization : No data available  
 Mutagenicity (germ cell mutagenicity) : No data available  
 Carcinogenicity :  
 IARC : Not applicable  
 NTP : Not applicable  
 Reproductive Toxicity : No information available  
 Special Methods : No information available  
 Special Methods : No information available  
 Aspiration Hazard : No information available

**12. ECOLOGICAL INFORMATION**

Ecotoxicity : No data available  
 Persistence / Degradability : No information available  
 Bioaccumulative Potential : No information available  
 Mobility in Soil : No information available  
 Hazardous to The Ozone Layer : No information available

**13. DISPOSAL CONSIDERATIONS****14. TRANSPORT INFORMATION**

UN Class / UN Number : Not applicable  
 :  
 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)	: 7-97
TSCA(USA)	: None
EINECS(EU)	: 500-017-8
AICS(Australia)	: None
DSL(Canada)	: None
ECL(Korea)	: None
IECSC(China)	: None

**16. OTHER INFORMATION**

## Reference

International Chemical Safety Cards (ICSC) Compiler's Guide  
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.