

1-4-8 Nihonbashi-Bakurocho, Chuoku, Tokyo 103-0002 JAPAN https://www.nikkol.co.jp/en

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SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

| Product Name | [:] WAXIDONE |
|---|--|
| Company | : NIPPON SURFACTANT INDUSTRIES CO., LTD. |
| Address | :7-14 Hiraide Kogyo Danchi Utsunomiya, Tochigi 321-0905, JAP |
| | AN |
| 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) | Classification not possible |
| Acute Toxicity (Dermal) | Classification not possible |
| Acute Toxicity | Classification not possible |
| (Inhalation : gases) | |
| Acute Toxicity | Classification not possible |
| (Inhalation : vapors) | |
| Acute Toxicity | Classification not possible |
| (Inhalation : dust, mists) | |
| Skin Corrosion / Irritation | : Not classified |
| Serious Eye Damage / Eye Irritation | CATEGORY 2B |
| 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 | Classification not possible |
| Toxicity (Single Exposure) | |
| Specific Target Organ Systemic | Classification not possible |
| Toxicity (Repeated Exposure) | |
| Aspiration Hazard | Classification not possible |
| Environmental Hazards | |
| Short-term (acute) hazardous to | : Not classified |
| the aquatic environment | |
| Long-term (chronic) hazardous to | : Not classified |
| the aquatic environment | |
| Hazardous to The Ozone Layer | : Not classified |
| GHS Label Elements | |
| Pictograms or Symbols | : |
| <i>.</i> , | |



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| Signal Word | : Warning |
|--------------------------|---|
| Hazard Statements | : 【H320】 Causes eye irritation |
| 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 wate r. |
| | 【P305+P351+P338】 IF IN EYES: Rinse cautiously with water fo r several minutes. Remove contact lenses, if present and easy t o do. Continue rinsing. |
| | [P337+P313] If eye irritation persists: Get medical advice / at tention. |
| [Storage] | : 【P404】 Store in a closed container. |
| [Disposal] | : 【P501】 Dispose of contents/container in accordance with loc al/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 PCA | 50 | / 37673-38-4 |
| (Behenyl PCA) | | |
| Lauryl L-Pyrrolidonecarboxylate | 50 | / 22794-26-9 |
| (Lauryl PCA) | | |

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 conta ct 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 anythi ng through the mouth. |
| 5. FIRE-FIGHTING MEASURES | |
| Suitable Extinguishing Media | : Powder, alcohol-resistant form, carbon dioxide, sand, water sp ray. |
| Not Suitable Extinguishing Media | : No data available |

: During a fire, toxic gases (e.g., carbon monoxide, nitrogen oxid e etc) may be generated. Avoid inhaling smoke during fire extinguishing.

Special Hazards



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Special Methods

: Remove all combustible objects away from the fire and use ad equate extinguishing media. Preferably extinguish the fire fro m the same direction of the wind. Evacuate personnel not invo lved in fire extinguishing to safe area. Equipment and machine ry in proximity of fire must be sprayed with water to cool. Wate r used to extinguish a fire should not be allowed to enter the dr ainage system or water courses.

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

Spetial Protective Action for Fire-Fighters

6. ACCIDENTAL RELEASE MEASURES

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

Prevention of Secondary Hazards

7. HANDLING AND STORAGE

Handling

Technical Measures

Contact Avoidance Safe Handling Advice

Storage

Suitable Storage Conditions Safe Packaging Materials

- : Use goggles and protective gloves. In case of large spills, remo ve person to safety. Ensure adequate ventilation.
- : Do not discharge into river or sewer.
- : In case of a small spill, absorb with liquid-binding material (sa nd, soil, cloth) and wipe away the remains with cloth or fabric. Flush surroundings with large amounts of water. In case of a la rge spill, surround it with the mound of sand or soil to prevent elution and collect into drums or other containers.
- : Promptly remove all combustible objects away from the spill a nd prepare fire extinguishing media. The spills on the floor mu st be cleaned promptly, otherwise they present a risk of traum atic accident. Avoid walking or stepping on the spills. While cle aning the spill use adequate tools that do not promote sparks of fire.
- : The shower with water (for washing of eyes and body) must be installed near the handling facility.
- : Keep away from source of ignition.
- : Use adequate ventilation. Use goggles and protective gloves. Wash thoroughly after handling.
- : Store in a well-ventilated place. Keep cool.
- : 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 i |
| | s generated at the operation facility. Shower with water (for w |
| | ashing eyes and body) must be installed near the handling faci |

lity.

Protective Equipment Respiratory Protection Hand Protection Eye/Face Protection Skin and Body Protection Spetial Precautions

: Not needed in case of standard handling.

- : Impermeable protective gloves.
- : Goggles or protective glasses with side protectors.
- : Workwear with long sleeves.
- : No data available



9. PHYSICAL AND CHEMICAL PROPERTIES

NIKKO CHEMICALS

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| Physical State | : Powder or flake |
|--|---|
| Color | : White to pale yellow |
| Odor | : Characteristic odor |
| Melting Point / Congealing point | : 60~70°C |
| Boiling Point or initial boiling point and | : No data |
| boiling range | |
| Flammability | : No data |
| Lower and Upper explosion limit / | : Upper Limit : No data,Lower Limit : No data |
| Flammability Limits | |
| Flash Point | :No data |
| Auto-Ignition Temperature | : No data |
| Decomposition Temperature | : No data |
| рН | :No data |
| Kinematic Viscosity | :No data |
| Solubility | : Nearly insoluble |
| 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) Acute Toxicity (dermal) Acute Toxicity (Inhalation : gases) Acute Toxicity (Inhalation : vapors) Acute Toxicity (Inhalation : dust, mists) Skin Corrosion / Irritation

Serious Eye Damage / Irritation

Respiratory or Skin Sensitization Mutagenicity (germ cell mutagenicity) Carcinogenicity IARC NTP Reproductive Toxicity

- : No data : No data : No data : No data
- : No data
- : Skin Corrosion : No dataSkin Irritation : Non irritant (alternati ve test(cell toxicity),10% mineral oil) Non irritant (20 Human,4 8h,10% mineral oil,Human patch test)Ex vivo cutaneous tolera nce : non irritant (product diluted at 20%)In vivo cutaneous irr itant potential : non irritant (product diluted at 20%)
- : Slightly irritant (Alternative test(HETCAM),10% mineral oil)In v ivo ocular irritant potential : Slightly irritant (product diluted a t 10%)
- : No data
- : No data
- : Not applicable
- : Not applicable
- : No data



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| Specific Target Organ Systemic Toxicity | : No data |
|---|-----------|
| (Single Exposure) | |
| Specific Target Organ Systemic Toxicity | : No data |
| (Repeated Exposure) | |
| Aspiration Hazard | : No data |
| | |

12. ECOLOGICAL INFORMATION

| Ecotoxicity | :No data |
|------------------------------|----------|
| 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 entru st to a specialized waste disposal contractor licensed by the pr efectural 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) | : (5)-119 | |
| | | |
| 16. OTHER INFORMATION | | |
| Reference | : Solabia's data | |



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The information described herein is based on the documents, i nformation and data, etc. on this product that are currently av ailable to us, but the values, such as contents of ingredients, p hysical and chemical properties, are not necessarily identical t o those in the specification. In addition, the precautions are int ended for the cases where this product is handled and used un der normal conditions. Thus, in cases of special uses or handli ng, users should use and handle it, taking appropriate safety m easures in accordance with the intended uses and how to use t he product.