

1-4-8 Nihonbashi-Bakurocho, Chuoku, Tokyo 103-0002 JAPAN

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Date of Creation / last update : July 01, 2020

Code: S018181

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name **MYRISTIDONE**

Company NIPPON SURFACTANT INDUSTRIES CO. LTD.

Address 7-14 Hiraide Kogyo Danchi Utsunomiya, Tochigi 321-0905,

Division : QUALITY ASSURANCE 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

: Classification not possible Acute Toxicity (Oral) Acute Toxicity (Dermal) : Classification not possible Acute Toxicity : Classification not possible

(Inhalation : gases)

Acute Toxicity

(Inhalation : vapors)

Acute Toxicity

(Inhalation : dust, mists)

Skin Corrosion / Irritation : Not classified Serious Eye Damage / Eye : CATEGORY 2B

Irritation

Respiratory Sensitization : Classification not possible Skin Sensitization : Classification not possible Germ Cell Mutagenicity : Classification not possible Carcinogenicity : Classification not possible : Classification not possible Reproductive Toxicity Specific Target Organ Systemic : Classification not possible

Toxicity (Single Exposure)

Specific Target Organ Systemic

Toxicity (Repeated Exposure)

Aspiration Hazard : Classification not possible

Environmental Hazards

Short-term (acute) hazardous to the aquatic environment Long-term (chronic) hazardous to

the aquatic environment

Hazardous to The Ozone Layer

: Classification not possible

: Not classified

GHS Label Elements

Pictograms or Symbols

Signal Word : Warning

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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 [P305+P351+P338] IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

[P404] Store in a closed container. [Storage]

[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 : Substance

Ingredients and Concentration Range

Ingredient (INCI Name) CAS No. concentration(%)

100 / 37673-27-1 Myristyl PCA

(MYRISTYL PCA)

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.

: Rinse mouth with water, and provide 1-2 cups of water or In Case of Ingestion

milk to drink.

Get immediate medical advice / attention.

In the event that the victim is not conscious, do not feed

anything through the mouth.

FIRE-FIGHTING MEASURES

Suitable Extinguishing Media : Powder, alcohol-resistant form, carbon dioxide, sand, water

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.

ACCIDENTAL RELEASE MEASURES

and Emergency Procedure

Personal Precautions, Protective Equipment : Use goggles and protective gloves. In case of large spills,

remove person to safety. Ensure adequate ventilation. : Do not discharge into river or sewer.

Environmental Precautions

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Methods and Materials for Contaminment and : In case of a small spill, absorb with liquid-binding

Cleaning Up

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.

 $\hbox{\tt Contact Avoidance} \qquad \qquad \hbox{\tt : Keep away from source of ignition.}$

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 Powder or flake
Color : White to pale yellow
Odor : Characteristic odor

Melting Point / Congealing point : No data 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
pH : 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

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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

Serious Eye Damage / Irritation

Acute Toxicity (oral) : No data
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 : Skin Corrosion : No data

Skin Irritation: Non irritant (alternative test(cell

toxicity),10% mineral oil)

Non irritant (20 Human, 48h, 10% mineral

oil, Human patch test)

Ex vivo cutaneous tolerance: non irritant (product diluted

at 20%)

In vivo cutaneous irritant potential: non irritant (product

: Slightly irritant (Alternative test(HETCAM), 10% mineral oil

)

In vivo ocular irritant potential: Slightly irritant

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 : 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 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 : -

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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

 TSCA (USA)
 : Yes

 EINECS (EU)
 : 253-595-6

 AICS (Australia)
 : None

 DSL (Canada)
 : None

 ECL (Korea)
 : None

 IECSC (China)
 : None

16. OTHER INFORMATION

Reference : Solabia's data

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.

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