

Prepared: February 24, 2017

Safety Data Sheet (SDS)

1 Chemical product and company identification

Product name: Hi-Mic-1045
Supplier name: NIPPON SEIRO CO., LTD.
Address: No.5-18, KYOBASHI 2-CHOME CHUO-KU, TOKYO
 104-0031 JAPAN
Telephone number: 03-3538-3064
Fax number: 03-3538-3094
Emergency telephone number: 03-3538-3064

届出No.	
パーツNo.	191897-9

2 Hazards identification

GHS classification

Health and environmental hazards

Serious eye damage / eye irritation: Category 2B – Causes eye irritation
 Specific target organ toxicity – Single exposure: Category 3 – Respiratory tract irritation
 (Note)

GHS Classification without mention: Not applicable / Not classified / Classification not possible

GHS label elements

Symbols:



Signal word: Warning
Hazard statements: Causes eye irritation
 May cause respiratory irritation

Precautionary statements

Prevention: Wash hands thoroughly after handling
 Avoid breathing dust/fume/mist/vapours/spray.
 Use only outdoors or in a well-ventilated area.
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Call a doctor if you feel unwell.
Storage: Store in a well-ventilated place.
Disposal: Dispose of contents/container to local/regional/national/international regulation.

3 Composition/information on ingredients

Substance or mixture: Substance
Chemical name or generic name: Microcrystalline Wax
Other identifiers: Paraffin waxes and Hydrocarbon waxes, microcryst.

CAS number: 63231-60-7
EINECS number: 264-038-1
Concentration: Paraffin wax (100 % by Wt.)

4 First-aid measures

Inhalation: Remove to fresh air and keep at rest in apposition comfortable for breathing.
Call doctor/physician if you feel unwell.

Skin contact: Cool with cold water and obtain medical attention immediately, if burned by hot product.

Eye contact: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists, get medical advice/attention.

Ingestion: Wash mouth well with water.
If irritation persists, get medical advice/attention.

5 Fire-fighting measures

Extinguishing media: Fine water spray, Foam, Dry chemical, Carbon dioxide, or Dry sand

Extinguishing media that are unsuitable: Water jets

Specific hazards: Hazardous fumes, gas or vapours may evolve on burning.

Specific extinguishing methods: Treat as petroleum oil fire

Protection of fire-fighters: For large fires, protective wear and automatic supplying air respirator is required.

6 Accidental release measures

Personal precautions, protective equipment, and emergency procedures:
Avoid contact with skin and eyes.
Wear personal protective equipment.
Evacuate all non essential personnel from the immediate area.
Do not work downstream of wind.

Environmental precautions:
Be careful not to discharge, not even a small amount, to river system.

Methods and materials for containment and methods and materials for cleaning up:
Contain molten wax with sand or earth.
Do not disperse using water. Allow wax to cool and remove as a solid.
Recover free solid.
If molten wax spilled, solidify and recover.
Eliminate all sources of ignition.

7 Handling and storage precautions

Handling:

Technical measures: Wear protective equipment when there is possibility of inhalation.
Local and general ventilation: Place local exhaust fan in areas where vapours and fumes are produced.

Safety handling precautions: Avoid breathing vapours and fumes from molten product.
Wash hands after handling.
Use only outdoors or in well-ventilated area.

Prevention of contact: See Stability and Reactivity, section 10, of this Safety Data Sheet.

Storage:

- Safe storage conditions:** Store in a well-ventilated, cool, dark place, away from fire sources and high temperature objects.
When storing in molten state, be cautious of coagulation due to overheating.
This material is not hazardous under normal storage conditions.
Do not store near high heat or open flames.
- Safe packaging material:** Incompatible products: Oxidizing agents, strong acids
If stored in liquid state, use stainless steel for containers.

8 Exposure controls and personal protection**Control parameters:**

Allowable Concentration

ACGIH(2014): TLV-TWA 2 mg/m³ (for paraffin wax fumes in air)**Engineering controls:**

Install eyes washer and shower in the place of operation.
Provide local exhaust ventilation system.
Ensure compliance with applicable exposure limits.

Personal protective equipment:

Respiratory protection: Breathing protection when handling molten form.
Hand protection: Heat-insulating gloves when handling molten form.
Eye protection: Safety goggles when handling molten form.
Skin and body protection: Heat Protective suit when handling molten form.

Hygiene measures:

Wash hands after handling.

9 Physical and chemical properties

Physical state, form, color, etc.: Pale yellow waxy solid
Odour: A little odour
pH: No data
Melting point/ freezing point: 75 °C
Boiling point, initial boiling point and boiling range: No data
Flash point: 313 °C
Combustion characteristics (solid, gas): No data
Vapour pressure: No data
Specific gravity(density): 0.80 g/cm³, at 100 °C
Solubility: Not soluble in water
n-Octanol/water partition coefficient: log Pow > 6
Auto- ignition temperature: No data
Decomposition temperature: No data
Viscosity: Not applicable

10 Stability and reactivity

Reactivity: Stable in normal handling conditions
Chemical stability: Polymerization will not occur.
Hazardous reactions: Oxidizing agents and strong acids react on this product.
Conditions to avoid: Avoid excessive heat, flames and all sources of ignition.
Incompatible materials: Oxidizing agents, strong acids
Hazardous decomposition products: No data

16 Other Information

NFPA RATING:	Health = 0	Fire = 1	Reactivity = 0
HMIS RATING:	Health = 0	Fire = 1	Reactivity = 0

Literature references:

- 1) JCDB Chem. DB (2010) : GHS Model MSDS
- 2) IUCLID (2000)
- 3) RTECS (2008): RV0350000
- 4) PATTY 5th (2001)
- 5) ICSC (2003) : WHO/IPC International Chemical Safety Cards ICSC1457
- 6) EHC 20 (1982)
- 7) ACGIH (2014)
- 8) JNITE home page (2010): GHS Classification result ID21B3029

Note : All statements, information, and data given herein are believed to be accurate and reliable but are presented without guaranty and responsibility. Statements or suggestions concerning possible use of our product are made without guaranty, since the conditions of use are beyond our control.

