

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**COMPANY NAME** : Hakko Corporation  
**ADDRESS** : 4-5, Shiokusa 2-chome, Naniwa-ku, Osaka, 556-0024 Japan  
**SECTION IN CHARGE** : Research & Development Center  
**EMERGENCY TELEPHONE** : 81-6-6561-3225 (FAX: 06-6568-0821)  
**NUMBER/REFERENCE** : Sales Division

**PRODUCT NAME:** Hot Melt Adhesive

**Model:** No.810

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

Physical and chemical hazards

Pyrophoric solid Not classified

Hazards not listed above falls into "Not applicable" or "Classification not possible".

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	Composition (%)	Chemical formula	Class Reference Number in the Gazette List (Japanese Chemical Substances Control Act)	CAS No.
Polyamide hot melt adhesive	Polyamide (100%)		(7)-403	68139-70-8

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#### 4. FIRST-AID MEASURES

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- Eye contact** : Carefully rinse the eye with water for a few minutes. If you wear contact lenses and it is possible to remove them easily, remove them.  
Subsequently continue to rinse the eye.  
If the eyes continue to be stimulated, consult a doctor and receive treatment from the doctor.  
If you get the heated and molten product in your eyes, immediately cool them with water and receive treatment from an eye doctor.  
Do not rub the eyes or open them forcedly.
- Skin contact** : Wash out with soap and water.  
If you feel ill, contact a doctor.  
If the heated and molten product adheres to your skin, immediately cool it with water and receive medical treatment for a burn.
- Inhalation** : Move the victim to a location with fresh air and rest him/her in the easy-to-breath position.  
If you experience respiratory symptoms, contact a doctor.  
If you feel ill, contact a doctor.  
If you inhale vapor of the extremely heated product and there is anything wrong with your throat etc., immediately move to a location with fresh air.
- Ingestion** : Rinse the mouth.  
If you feel ill, contact a doctor.

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#### 5. FIRE FIGHTING MEASURES

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##### Suitable (and unsuitable) extinguishing media

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- Extinguishing media** : For a small-scale fire : fire-extinguishing powder, carbon dioxide or water spray  
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**Special fire** :  
fighting procedures

**Extinguishing media not to be used** : Straight stream water

**Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products)** Irritating and/or toxic gases may be generated due to a fire.

Special protective equipment and precautions for fire-fighters. Move the container from the fire area if this is not dangerous.

Protection of fire fighters : When performing fire fighting, wear proper protective clothing (heat resistance) including a breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Rope off the site and indicates "AUTHORIZED PERSONNEL ONLY".
- Do not touch or foot leakage.
- Stay windward.
- Ventilate a closed place.
- The workers should use appropriate protective equipment (see "8. EXPOSURE CONTROLS/PERSONAL PROTECTION") to avoid contact with their eyes and skin and inhalation of gas.

Personal protection :

Environmental Protection : Take care to ensure that the product does not cause an environmental effect by being released to any river or the like.

Collection and neutralization : Sweep the leak together, collect it in an empty container and dispose of it later.

Method and materials for contaminant and cleaning up : If not hazardous, stop leakage.

Preventive measures for secondary disaster : Immediately eliminate all the ignition sources (Prohibition of smoking, igniting and flaming).

## 7. HANDLING & STORAGE

### Precautions for safe handling

#### Handling

Technical measures : Take measures for equipment and use protective gear as described in "8. EXPOSURE CONTROLS/PERSONAL PROTECTION".

Local and general ventilation : Carry out local and general ventilation as described in "8. EXPOSURE CONTROLS/PERSONAL PROTECTION".

Safety precautions : Do not handle the product until you read and understand all the safety precautions.  
 Prohibit the use of high-temperature things, sparks and fire.  
 After handling the product, well wash your hands.  
 Do not overturn, drop, give an impact to or drag the container.  
 Avoid swallowing the product.  
 Avoid contacting with your skin.  
 Avoid contacting with your eyes.

Avoidance of contact : See "10. STABILITY AND REACTIVITY".

### Storage

Conditions for safe storage, including any incompatibilities.

Technical measures : Take technical measures according to the provisions of the fire protection law etc.  
 In the storage location, provide necessary equipment for natural and electric illumination and ventilation that is required to store and handle the designated combustibles.

**Storage conditions** : Store the product away from ignition sources such as heat, sparks and naked flames.

– No smoking

Store the product in a cool and well-ventilated place.

Store the product with the container sealed.

Shield the product from sunlight.

Dangerous material for mixed contact : See "10. STABILITY AND REACTIVITY".

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Allowable concentration : Not determined

Measures for equipment : Take measures for equipment such as process sealing, local ventilation, etc.  
 It is advisable to install eye wash facilities and safety shower facilities in the equipment where this product is used or stored.

### Protective gear

Protective gear for respiratory : Dust respirator, simplified dust respirator

Protective gloves : Protective gloves, heat resistant gloves

Protective gear for eyes : Safety glasses (normal type, with side shields type, goggle type)



Protective gear for skin and body	: Long sleeve working clothes, safety shoes
Protective clothing	:
Hygiene measures	: Well wash your hands after handling the product. When using the product, do not eat or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### PHYSICAL PROPERTIES

APPEARANCE	:
Shape	: Stick
Physical state	
Color	: Yellowish brown
Odor	: Slight odor
Odour threshold	
pH	: No data
Melting point / freezing point	
Initial boiling point and boiling range	: No data
Boiling point/range	
Flash point	: 200°C or higher (Cleveland open-cup flash point test)
Upper/lower flammability or explosive limits	
Evaporation rate	
Explosion range – Lower limit (%)	:
Explosion range – Upper limit (%)	:
Vapor pressure	:
Vapor density	:
Specific gravity (Density)	: 0.85~1.05 (20°C)
Solubility in water	:
Octanol	:
Relative density	
Solubility(ies)	: Not soluble in water, but partially soluble in organic solvent
Partition coefficient: n-octanol/water	: No data
Other data	: Softening point (Ring-and-ball method): 152°C (Representative value)

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**10. STABILITY AND REACTIVITY**


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Stability / Reactivity	:	The product is stable under normal handling conditions. At a temperature exceeding 180°C, the product will gradually decompose or becomes highly-polymerized, causing viscosity changes, discoloration and infusibility.
Possibility of hazardous reactions	:	Currently no useful information
Conditions to avoid	:	Currently no useful information
Incompatible materials	:	Currently no useful information
Hazardous decomposition products	:	Currently no useful information

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**11. TOXICOLOGICAL INFORMATION (Including symptom of human and epidemical information)**


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Acute toxicity	:	No data
Skin corrosion/Skin irritation	:	No data
Serious eye damage / Eye irritation	:	No data
Respiratory sensitization and skin sensitization	:	No data
Mutagenicity		
Germ cell mutagenicity	:	No data
Carcinogenicity	:	No data
Reproductive toxicity	:	No data
Specific target organ /Single exposure	:	No data
Specific target organ /Repeated exposure	:	No data
Aspiration hazards	:	No data

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**12. ECOLOGICAL INFORMATION**


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Ecotoxicity	:	No data
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**13. DISPOSAL CONSIDERATIONS**


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- Waste from residues : For disposal of this product, comply with the applicable law and the local government's regulations.  
When industrial waste disposers are licensed by the governor or local authorities dispose of waste, request them.  
Before requesting the disposal of waste, ensure that the industrial waste disposer is made well aware of hazards and toxicity.
- Contaminated containers and packages : The containers should be cleaned and then recycled or should be disposed of in accordance with the applicable law and the local government's regulations.  
When disposing of empty containers, completely remove the contents.
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**14. TRANSPORTATION INFORMATION**


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**International regulations**

Marine regulations information : Not applicable

UN No. Not applicable  
Proper shipping Name  
Class  
Sub risk  
Packing Group  
Marine Pollutant

Aviation regulations information : Not applicable

UN No.  
Proper shipping Name  
Class  
Packing Group

**Domestic regulations** : Comply with the transportation method prescribed in the fire protection law, industrial safety and health act, etc.

Land transport regulations : Not applicable

Marine regulations information : Not applicable

UN No.

Proper shipping Name  
 Class  
 Sub risk  
 Packing Group  
 Marine Pollutant

Aviation regulations : Not applicable  
 information

UN No.  
 Proper shipping Name  
 Class  
 Packing Group  
 Special safety measures : Avoid direct sunlight and high temperature.  
 Before transportation, check the container for damage, corrosion, leakage,  
 etc.  
 Perform loading so that the container will not be overturned, dropped or  
 damaged and surely prevent load shifting.

## 15. REGULATORY INFORMATION

**Fire Defense Law:** Designated combustible Synthetic resin

**Pollutant Release and Transfer Register(PRTR)Law:** Not applicable

## 16. OTHER INFORMATION

Reference:

Manufacturer-issued MSDS

Established on January 19, 1998

Revised on April 1, 2021

This document has been prepared based on the information and data that are available as of this date. Therefore, it may be revised when new information or data has been obtained.

The information and data contained herein are subject to the normal use. The evaluation of dangerousness and toxicity is, therefore, not always applicable. For this reason, the safety precautions suitable for your purpose and method must be taken prior to the use.