

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: Adhesive for HAKKO MELTER 801/806

Model: No.A1607

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Physical and chemical hazards

Pyrophoric solid : Not classified

Health hazards

acute toxicity oral : Not classified

Serious eye damage /Eye irritation : Category 2B

Specific target organ systemic toxicity : Category 3 (respiratory tract irritation)
– single exposure

Specific target organ systemic toxicity :
– repeated exposure

Aspiration hazard :

Environmental hazards

Acute hazards to the aquatic :
environment

Chronic hazards to be the aquatic
environment :

Hazards not listed above fall into “Not applicable” or “Classification not possible”.

GHS LABEL ELEMENTS

PICTOGRAM OR SYMBOL :



SIGNAL WORD : WARNING

HAZARD INFORMATION : Eye irritation
Potential respiratory irritation

PRECAUTIONS

[SAFETY MEASURES] The container shall be tightly closed.

After handling the product, well wash your hands.

Use the product only outdoors or a well-ventilated area.

[FIRST AID MEASURES]

If a person inhales the product and breathes with difficulty, move him/her to a location with fresh air and make him/her get rest in a posture that allows easy breathing.

If you get the product in your eyes, carefully rinse the eyes with water for several minutes. If you wear contact lenses and it is possible to remove them easily, remove them.

Subsequently continue to rinse the eye.

If you are not feeling well, contact a doctor.

If eye irritation continues after the product has got into the eye, consult a doctor and receive medical attention.

STORAGE

Seal the container, lock it, and then store it in a well-ventilated place.

DISPOSAL

Request a specialized waste disposer licensed by the governor to dispose of the container and its content.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Single substance or mixture: mixture

Chemical name	:	Ethylene-vinylacetate copolymer hot melt adhesive		
Ingredient	Concentration	Chemical property	Class Reference Number in the Gazette List	CAS No.

			Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	Industrial Safety and Health Act	
Ethylene-vinylacetate copolymer and etc.	100%	—	Listed	Listed	—

Industrial Safety and Health Act Dangerous and Harmful Substances Subject to Notify Their Names, etc.
(Article 57-2 of the law; Schedule 9 to Article 18-2 of enforcement regulations) Solid paraffin (20% - 30%)

4. FIRST-AID MEASURES

- Eye contact** : Carefully rinse the eye with water. If you wear contact lenses and it is possible to remove them easily, remove them before rinsing.
If you wear contact lenses and it is possible to remove them easily, remove them.
Subsequently continue to rinse the eye.
If eye irritation continues after the product has got into the eye, consult a doctor and receive medical attention.
If you get the heated and molten product in your eyes, immediately cool them with water and receive medical treatment from an eye doctor.
Do not rub the eyes or open them forcedly.
- Skin contact** : Wash out with soap and water.
If you are not feeling well, 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 are not feeling well, contact a doctor.
If you inhale vapor of the extremely heated product and there is something wrong with your throat etc., immediately move to a location with fresh air.
- Ingestion** : Rinse the mouth.
If you are not feeling well, contact a doctor.

5. FIRE FIGHTING MEASURES

Extinguishing media	: For a small-scale fire: fire-extinguishing powder, carbon dioxide (CO ₂) or water spray For a large-scale fire: fire-extinguishing foam
Specific hazards in case of fire	Irritating and/or toxic gases may be generated due to a fire.
Special fire fighting procedures	: If not hazardous, move the container from the fire area.
Extinguishing media not to be used	: Straight stream water
Protection of fire fighters	: When performing fire fighting, wear proper protective clothing (heat resistance) including a self-contained compressed-air breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal protection, precautions for human body, protective equipment, and emergency measures	Rope off the site and indicate "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.
Environmental Protection	: Do not release the product to the environment. Take care to ensure that the product does not cause an environmental effect by being released to any river or the like.
Method and materials for contaminant and cleaning up	: Sweep leakage together to collect it in an empty container for subsequent disposal.
Methods and equipment for containment and purification, Preventive measures for secondary disaster	If not hazardous, stop leakage. Immediately eliminate all the ignition sources. (Prohibition of smoking, igniting and flaming)

7. HANDLING & STORAGE

Handling

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

- Technical measures : Take technical measures according to the provisions of the Fire Service Act 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 closed tightly.
Shield the product from sunlight.
- Dangerous material for mixed contact : See "10. STABILITY AND REACTIVITY."
- Container and packaging material : Although there are no packaging or container regulations, put the product in a sealed type unbreakable container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control concentration	: Not determined.
Allowable concentration	: Not determined.
Measures for equipment	: Take measures for equipment such as keeping process closed, local ventilation, etc. It is advisable to install eyewash device and safety shower in the worksites where this product is stored or handled.

Protective gear

Protective gear for respiratory	: Dust respirator, simplified dust respirator
Protective gear for hands	: 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
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	: Sphere
Color	: Pale yellow
Odor	: Slight odor
pH	: No data
Melting point/freezing point	
Melting point (ring and ball softening point)	: Ring and ball softening point: 106°C (typical value)
Boiling point/range	
Boiling point, Initial boiling point, Boiling range	: No data
Flash point	: 200°C or higher (Cleveland open-cup flash point test)
Specific gravity	: 0.85 - 1.05 (@20°C)

Solubility	: Not soluble in water, but partially soluble in organic solvent
Octanol/water partition coefficient	: No data
Autoignition point	: No data
Other data	: None

10. STABILITY AND REACTIVITY

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

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

Acute toxicity	:
	Oral : Because the acute toxicity estimate value of the product is larger than 2000 mg/kg, the product is classified as "Not classified" on acute toxicity (oral) .
Skin corrosion/Skin irritation	: No data
Serious eye damage / Eye irritation	: Serious eye damage/eye irritation caused by ingredients of the product: Because the product contains the ingredients that cause serious eye damage/eye irritation at a total concentration of 10% or more, the product is classified as category 2B.
Respiratory sensitization	: No data
Germ cell mutagenicity	: No data
Carcinogenicity	: No data
Reproductive toxicity	: No data
Specific target organ /Single exposure	: Specific target organ toxicity (single exposure) caused by ingredients of the product: Because the product contains the ingredients that cause respiratory tract irritation at a total concentration of 20% or more, the product is classified as category 3 (respiratory tract irritation).

Specific target organ : No data

/Repeated exposure

Aspiration hazards : No data

12. ECOLOGICAL INFORMATION

Reproductive toxicity : No data

13. DISPOSAL CONSIDERATIONS

Waste from residues	<p>For disposal of this product, comply with the applicable law and the local government's regulations.</p> <p>When industrial waste disposers licensed by the governor or local authorities dispose of waste, request them.</p> <p>Before requesting the disposal of waste, ensure that the industrial waste disposer is made well aware of hazards and toxicity.</p>
Contaminated containers and packages	<p>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.</p>

14. TRANSPORTATION INFORMATION

International regulations

Maritime transport : Not applicable
regulations

UN No. : Not applicable

Information on aeronautical : Not applicable
regulations

Domestic regulations : Comply with the transportation method prescribed in the Fire Service Act, Industrial Safety and Health Act, etc.

Land transport regulations : Not applicable

Maritime transport : Not applicable
regulations

Information on aeronautical : Not applicable
regulations

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

Industrial Safety and Health Act : Hazardous Materials whose name and other information should be notified
(Article 57-2 of the law; Schedule 9 to Article 18-2 of enforcement regulations): Solid paraffin

Fire Service Act : Designated combustible
(Article 9-3 of the law; Schedule 4 to Hazardous Material Regulations)

16. OTHER INFORMATION

Reference:

Manufacturer-issued MSDS

Established on January 29, 2015

Revised on Dec 1, 2015

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.