

SECTION 1: Identification of the substance or mixture and of the supplier

Product name	:	Adhesive for HAKKO MELTER 801/806
Model No.	:	A1607
Company name	:	Hakko Corporation
Address	:	4-5, Shiokusa 2-chome, Naniwa-ku, Osaka, 556-0024 Japan
Department in charge	:	Sales Division
Phone number	:	+81-6-6561-3225
Fax number	:	+81-6-6561-8466
Email address	:	cs@hakko.com
Recommended use	:	Hot melt adhesive

SECTION 2: Hazards identification

GHS classification

Physical hazards

Explosives	:	Classification not possible
Flammable gases	:	Not classified (Not applicable)
Aerosols	:	Not classified (Not applicable)
Oxidizing gases	:	Not classified (Not applicable)
Gases under pressure	:	Not classified (Not applicable)
Flammable liquids	:	Not classified (Not applicable)
Flammable solids	:	Not classified (Not applicable)
Self-reactive substances and mixtures	:	Classification not possible
Pyrophoric liquids	:	Not applicable
Pyrophoric solids	:	Not classified (Not applicable)
Self-heating substances and mixtures	:	Classification not possible
Substances and mixtures which, in contact with water, emit flammable gases	:	Classification not possible
Oxidizing liquids	:	Not applicable
Oxidizing solids	:	Not classified (Not applicable)
Organic peroxides	:	Classification not possible
Corrosive to metals	:	Classification not possible
Desensitized explosives	:	Classification not possible

Health hazards

Acute toxicity, oral	:	Classification not possible
Acute toxicity, dermal	:	Classification not possible
Acute toxicity, inhalation (gas)	:	Not classified (Not applicable)
Acute toxicity, inhalation (vapour)	:	Classification not possible
Acute toxicity, inhalation (dust and mist)	:	Classification not possible

Skin corrosion/irritation	:	Classification not possible
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 toxicity - single exposure	:	Classification not possible
Specific target organ toxicity - repeated exposure	:	Classification not possible
Aspiration hazard	:	Classification not possible
Environmental hazards		
Hazardous to the aquatic environment, short-term(acute)hazard	:	Classification not possible
Hazardous to the aquatic environment, long-term(chronic)hazard	:	Classification not possible
Hazard to the ozone layer	:	Classification not possible
Label elements		
Hazard pictograms	:	None
Signal word	:	Warning
Hazard statements	:	H320: Causes eye irritation
Precautionary statements		
Prevention	:	Wash eyes thoroughly after handling.
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.

SECTION 3: Composition/information on ingredients

Category of chemical substance /mixture	:	Mixture
Chemical name or generic name	:	Ethylene vinyl acetate copolymer based hot melt adhesive.

Ingredient name	Content (%)	CAS No.
Ethylene vinyl acetate copolymer and others	100	Registered: Confidential

SECTION 4: First-aid measures

If inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If feeling unwell, call a doctor. If experiencing respiratory symptoms, call a doctor. In case of inhalation of fumes or vapors from the molten product, immediately move the victim to fresh air. If the victim feels a burning sensation in their throat, seek medical attention.
If on skin	:	Wash with water and soap. If feeling unwell, call a doctor. In case of contact with molten product, immediately flush with water and seek medical attention for burns.

- 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. In case of eye contact with molten product, immediately flush with water and seek medical attention.
 Do not rub eyes or force them open.
- If swallowed : Rinse mouth with water.
 If feeling unwell, call a doctor.

SECTION 5: Fire-fighting measures

- Suitable extinguishing media : Minor fire: Powder fire extinguisher, carbon dioxide
 Major fire: Foam fire extinguisher.
- Unsuitable extinguishing media : Water jets
- Special hazards arising from the substance or mixture : May generate irritating, corrosive and/or toxic gases on fire.
- Specific fire-fighting measures : Move containers from fire area if it is safe to do so.
- Special protective equipment and precautions for fire-fighters : Wear appropriate respiratory protection and chemical protective clothing (heat-resistant) when fighting fire.

SECTION 6: Accidental release measures

- Personal precautions, protective Equipment and emergency procedures : Stay upwind of the area
 Do not touch or walk on the spill.
 Cordon off the area with ropes or other barriers to prevent unauthorized personnel from entering.
 Ventilate a closed area before entering.
 Workers should wear appropriate personal protective equipment (PPE) as described in Section 8, Exposure Control and Precautions. Avoid contact with eyes, skin, and inhalation of fumes.
- Environmental precautions : Do not release to the environment.
 Prevent leaked product from discharging into rivers or other water bodies, which could cause environmental impact.
- Methods and material for containment and cleaning up : Stop leaks if safe to do so.
- Preventive measures for secondary accident : Remove all sources of ignition (no smoking, open flames, or sparks in the vicinity).

SECTION 7: Handling and storage

Handling

- Technical measures : Implement the engineering controls and wear PPE as described in "SECTION 8: Exposure controls/personal protection."
- Exhaust/ventilator : Implement local exhaust ventilation and general ventilation as described "SECTION 8: Exposure controls/personal protection."
- Safety Handling Precautions : Read and understand all safety precautions before handling this product.
 Prohibit the use of high temperature objects, sparks, and fire in the vicinity of the product.
 Do not handle the container roughly, such as by tipping it over, dropping it, hitting it, or dragging it.
 Avoid swallowing.
 Avoid contact with skin.
 Avoid contact with eyes.

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- Contact Avoidance : Refer to "SECTION 10: Stability and reactivity"
- Hygiene measures : Wash hands thoroughly after handling.
Do not eat, drink, or smoke while handling.

Storage

- Storage conditions : Take technical measures in accordance with the Fire Service Act and other regulations.
Storage areas must be equipped with adequate lighting, and ventilation to store and handle designated flammable materials.
Store away from heat, sparks, and open flames.
Store in a cool, well-ventilated place.
Keep container tightly closed, and store.
Keep away from direct sunlight.
- Storage conditions to be avoided : Refer to "SECTION 10: Stability and reactivity"
- Safe Container and Packaging Materials : Packaging and containers are not regulated, but it should be in a sealed and non-breakable container.

SECTION 8: Exposure controls/personal protection

Adopted value

	Japan Society for Occupational Health	ACGIH
Solid paraffin (fume)	Not specified	TWA 2mg/m ³ , STEL -
Mineral oil mist	3mg/m ³	TWA 5mg/m ³

- Equipment measures : Use engineering controls such as process enclosure, local exhaust ventilation, and other equipment measures to control exposure to this product.
Eyewash stations and safety showers should be provided in work areas where this substance is stored or handled.

Protective equipment

- Respiratory protection : Respirator with dust filter, disposal respirator with dust filter
- Hand protection : Protective gloves, heat-resistant gloves
- Eye/face protection : Eye protection (safety glasses, safety glasses with side shields, or goggles).
- Skin and body protection : Long-sleeved work wear, safety shoes

SECTION 9: Physical and chemical properties

- Physical state : Solid
- Color : Pale yellow
- Odor : Slight
- Melting point/Freezing point : Data not available
- Boiling point : Data not available
- Flammability : Data not available
- Lower explosive limit (LEL) and upper explosive limit (UEL) : Data not available
- Flash point : Above 200°C (COC)
- Auto-ignition temperature : Data not available

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Decomposition temperature	:	Data not available
pH	:	Data not available
Viscosity, kinematic	:	Data not available
Solubility	:	Insoluble in water, partially soluble in organic solvents
Partition coefficient n-octanol/water(log)	:	Data not available
Vapor pressure	:	Data not available
Density·Relative density	:	0.85~1.05 (20°C)
Relative vapor density	:	Data not available
Particle characteristics	:	Data not available
Other data	:	Softening point (R&B): 105 °C (representative value)

SECTION 10: Stability and reactivity

Reactivity	:	No information available at this time
Chemical stability	:	Stable under normal handling At temperatures above 180 °C, it will gradually decompose or polymerize, resulting in viscosity change, discoloration, and infusibility.
Possibility of hazardous reactions	:	No information available at this time
Conditions to avoid	:	No information available at this time
Incompatible materials	:	No information available at this time
Hazardous decomposition products	:	No information available at this time

SECTION 11: Toxicological information

Acute toxicity, oral	:	Not classified due to insufficient data
Acute toxicity, dermal	:	Not classified due to insufficient data
Acute toxicity, inhalation (gas)	:	Not classified as a gas according to GHS
Acute toxicity, inhalation (vapour)	:	Not classified due to insufficient data
Acute toxicity, inhalation (dust and mist)	:	Not classified due to insufficient data
Skin corrosion/irritation	:	Not classified due to insufficient data
Serious eye damage/eye irritation	:	H320: Eye irritation
Respiratory sensitization	:	Not classified due to insufficient data
Skin sensitization	:	Not classified due to insufficient data
Germ cell mutagenicity	:	Not classified due to insufficient data
Carcinogenicity	:	Not classified due to insufficient data
Reproductive toxicity	:	Not classified due to insufficient data
Reproductive toxicity/Lactation	:	Not classified due to insufficient data
Specific target organ toxicity - single exposure	:	Not classified due to insufficient data
Specific target organ toxicity - repeated exposure	:	Not classified due to insufficient data
Aspiration hazard	:	Not classified due to insufficient data

SECTION 12: Ecological information

Hazardous to the aquatic environment, acute aquatic toxicity	:	Not classified due to insufficient data
Hazardous to the aquatic environment, chronic aquatic toxicity	:	Not classified due to insufficient data
Ecotoxicity	:	Data not available
Persistence and degradability	:	Data not available
Bioaccumulation	:	Data not available
Mobility in soil	:	Data not available
Hazard to the ozone layer	:	Not classified due to insufficient data

SECTION 13: Disposal considerations

Residual waste	:	Disposal must comply with applicable laws and regulations, as well as local government standards. Waste must be disposed of by a waste disposal company that has been approved by the prefectural governor, after the contents have been completely removed. In the event of waste disposal, the hazardous and harmful properties of the waste must be fully notified to the disposal company or other relevant parties prior to disposal.
Contaminated containers/packaging	:	Containers should be cleaned and recycled, or disposed of in accordance with applicable laws and regulations and local government standards. Remove the contents completely before disposing of the empty container.

SECTION 14: Transport information

International regulations		
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class or division	:	Not applicable
Packing group	:	Not applicable
Domestic regulations		
Maritime regulation information	:	Not applicable
Aviation regulation information	:	Not applicable
Land transport regulation information	:	Transport in accordance with Fire Service Act, Industrial Safety and Health Act, etc.
Special safety precautions for Transportation or transportation means	:	Keep away from direct sunlight and high temperature. Ensure there is no breakage, corrosion, or leakage of the container before shipment. Securely load the container to prevent falling, dropping, or damage, and cargo shifts.

SECTION 15: Regulatory information

Industrial Safety and Health Act	:	Substances subject to label display and SDS provision Cabinet Order No.: Appended Table 9-170 (Solid paraffin: 10-20%) Confidential Cabinet Order No.: Appended Table 9-168 (Mineral oil: 1-10%) Confidential
PRTR Act	:	Not applicable
Poisonous and Deleterious Substances Control Act	:	Not applicable
Fire Service Act	:	Designated flammable / synthetic resins (Others)

SECTION 16: Other information

Sources Manufacturer's SDS

This data is based on information and data available at the time of its creation and may be revised based on new findings.

The information provided is based on normal use conditions and the hazard assessment may not be complete. Therefore, please use the product in accordance with the intended use and application, and implement appropriate safety measures.

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