

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

Product name	:	Hakko Wick
Model No.	:	87-2~6, 87-2-30, 87-3-30, 87-4-30, 87-4-100
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	:	Desoldering Wire

SECTION 2: Hazards identification


GHS classification

Physical hazards

Explosives	:	Classification not possible
Flammable gases	:	Not classified
Aerosols	:	Not classified
Oxidizing gases	:	Not classified
Gases under pressure	:	Not classified
Flammable liquids	:	Not classified
Flammable solids	:	Classification not possible
Self-reactive substances and mixtures	:	Classification not possible
Pyrophoric liquids	:	Not classified
Pyrophoric solids	:	Classification not possible
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 classified
Oxidizing solids	:	Classification not possible
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
Acute toxicity, inhalation (vapour)	:	Classification not possible

Acute toxicity, inhalation (dust and mist)	:	Classification not possible
Skin corrosion/irritation	:	Not classified
Serious eye damage/eye irritation	:	Not classified
Respiratory sensitization	:	Category 1
Skin sensitization	:	Category 1
Germ cell mutagenicity	:	Classification not possible
Carcinogenicity	:	Classification not possible
Reproductive toxicity	:	Classification not possible
Reproductive toxicity/Lactation	:	Classification not possible
Specific target organ toxicity - single exposure	:	Category 1 (Digestive tract) Category 3 (Respiratory irritation)
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	:	
Signal word	:	Danger
Hazard statements	:	May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties. May cause respiratory irritation. Causes damage to digestive tract.
Precautionary statements		
Prevention	:	Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands, face and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Keep contaminated work clothes in the work area. Wear protective gloves/protective clothing/eye protection/face protection.
Response	:	[In case of inadequate ventilation] Wear respiratory protection. IF exposed or concerned: Call a doctor. Call a POISON doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If experiencing respiratory symptoms: Call a doctor. Take off contaminated clothing and wash it before reuse.
Storage	:	Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal : Waste contents and containers must be disposed of by a waste disposal company that has been approved by the prefectural governor.

SECTION 3: Composition/information on ingredients

Category of chemical substance : Mixture
/mixture
Chemical name or generic name : Wick

Ingredient name	Content (%)	CAS No.
Copper	≥95	7440-50-8
Rosin	≤2	8050-09-7
Rosin, polymd.	≤1	65997-05-9
Fatty acid	≤3	Confidential
Fatty acid ester	≤2	Confidential

SECTION 4: First-aid measures

If inhalation : Remove victim to fresh air. If symptoms persist,
If on skin : Wash with plenty of water and soap immediately.
If symptoms persist, call a doctor.
If in eyes : If in eyes, rinse thoroughly with water for at least 15 minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.
Get medical advice/attention immediately.
If swallowed : Rinse mouth with water.
Do not give anything to eat or drink if the victim is unconscious.
Immediately call a POISON CENTER/doctor.
Do NOT induce vomiting unless directed by a doctor.
Precautions for first-aiders : Wear personal protective equipment (PPE).

SECTION 5: Fire-fighting measures

Suitable extinguishing media : Powder, foam, carbon dioxide, or sand to extinguish fire.
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 : Conduct fire-fighting operations from the windward side as much as possible.
Prohibit unauthorized entry to the area surrounding the fire site.
Special protective equipment and precautions for fire-fighters : Wear appropriate personal protective equipment (PPE) when fighting fires.
Firefighters must wear self-contained breathing apparatus (SCBA) and fire protective clothing.

SECTION 6: Accidental release measures

- Personal precautions, protective Equipment and emergency procedures : If used indoors, ventilate the area adequately until the work is completed.
 In the event of a spill, cordon off the area with ropes or other barriers to prevent unauthorized personnel from entering.
 Wear appropriate personal protective equipment (PPE) to prevent skin contact, inhalation, and eye contact with product.
 Work from the upwind side and evacuate personnel from the downwind side.
- Environmental precautions : Prevent leaked product from discharging into rivers or other water bodies, which could cause environmental impact.
 Prevent the discharge of contaminated wastewater into the environment without proper treatment, as this could cause environmental damage.
- Methods and material for containment and cleaning up : Gather up and collect in a container.
- Preventive measures for secondary accident : Clean contaminated objects and areas thoroughly in accordance with environmental regulations.

SECTION 7: Handling and storage

Handling

- Technical measures : Refer to SECTION 8: Exposure controls/personal protection.
- Exhaust/ventilator : Use local exhaust ventilation.
- Safety Handling Precautions : Avoid contact with skin, eyes, and clothing.
 Avoid inhaling fume.
 Wear personal protective equipment (PPE).
 Wash hands thoroughly after handling.
- Contact Avoidance : Avoid contact with alkalis and strong oxidizers.
- Hygiene measures : After handling, wash hands, face, and other exposed areas thoroughly, and gargle.

Storage

- Storage conditions : Keep container tightly closed, and store in a cool, dry, well-ventilated area, away from direct sunlight.
- Storage conditions to be avoided : Do not contact with alkalis or strong oxidizers.
- Safe Container and Packaging Materials : Polyethylene

SECTION 8: Exposure controls/personal protection

Adopted value

Japan Society for Occupational Health	:	Not set
ACGIH	:	Copper (Fume) : 0.2mg/m ³ TWA Copper (Dust·Mist) : 1mg/m ³ TWA Rosin : 0.001mg/m ³ TWA

- Equipment measures : If used indoors, enclose the source of emissions or install local exhaust ventilation.
 Provide eyewash, body wash, and shower facilities near the handling area, and clearly indicate their location.

Protective equipment

Respiratory protection	:	Respirator with dust filter.
Hand protection	:	Wear protective gloves.
Eye protection	:	Side-shield eye protection (goggles or full face shield if necessary).
Skin and body protection	:	Long-sleeved work wear.
Special Precautions	:	Wash hands thoroughly after handling.

SECTION 9: Physical and chemical properties

Physical state	:	Solid
Color	:	Brown
Odor	:	Data not available
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	:	Data not available
Auto-ignition temperature	:	Data not available
Decomposition temperature	:	Data not available
pH	:	Data not available
Viscosity, kinematic	:	Data not available
Solubility	:	Insoluble
Partition coefficient n-octanol/water(log)	:	Data not available
Vapor pressure	:	Data not available
Density•Relative density	:	Data not available
Relative vapor density	:	Data not available
Particle characteristics	:	Data not available
Other data	:	Copper can oxidize when exposed to moist conditions for long periods of time.

SECTION 10: Stability and reactivity

Reactivity	:	Data not available
Chemical stability	:	May be hazardous if exposed to light.
Possibility of hazardous reactions	:	No under normal conditions.
Conditions to avoid	:	Contact with incompatible materials, direct sunlight, or high temperatures.
Incompatible materials	:	Alkalis and oxidizers
Hazardous decomposition products	:	Carbon monoxide (CO), Carbon dioxide (CO2)

SECTION 11: Toxicological information

Acute toxicity, oral	:	Classification not possible
Acute toxicity, dermal	:	Classification not possible
Acute toxicity, inhalation (gas)	:	Not classified (Not classified as a gas under GHS)
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	:	Classification not possible
Respiratory sensitization	:	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
Skin sensitization	:	H317 May cause an allergic skin reaction
Germ cell mutagenicity	:	Classification not possible
Carcinogenicity	:	Classification not possible
Reproductive toxicity	:	Classification not possible
Reproductive toxicity/Lactation	:	Classification not possible
Specific target organ toxicity - single exposure	:	H370 Respiratory irritation and damage to digestive tract.
Specific target organ toxicity - repeated exposure	:	Classification not possible
Aspiration hazard	:	Classification not possible

SECTION 12: Ecological information

Ecotoxicity	:	
Hazardous to the aquatic environment, acute aquatic toxicity	:	Classification not possible
Hazardous to the aquatic environment, chronic aquatic toxicity	:	Classification not possible
Persistence and degradability	:	Data not available
Bioaccumulation	:	Data not available
Mobility in soil	:	Data not available
Hazard to the ozone layer	:	Classification not possible

SECTION 13: Disposal considerations

Residual waste	:	For disposal, the chemical must be entrusted to a waste disposal company that has been approved by the prefectural governor.
Contaminated containers/packaging	:	Wicks containing solder must be disposed of in a manner that prevents the solder from dissolving and contaminating the environment.

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 : Follow the general safety precautions.

SECTION 15: Regulatory information

Industrial Safety and Health Act : [Substances subject to SDS provision]
Cabinet Order No.: Appended Table 9-379 (Copper and its compounds)
[Substances subject to label display and SDS provision]
Cabinet Order No.: Appended Table 9-632 (Rosin)
PRTR Act : Not applicable
Poisonous and Deleterious Substances Control Act : Not applicable
Air Pollution Control Act : Potentially hazardous air pollutant (HAP)
Central Environmental Council's 9th Recommendation, Item 128
(Copper and its compounds)
Water Pollution Prevention Act : Designated substance
Cabinet Order No. 53 of Article 3-3 (Copper and its compounds)

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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