

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product name : Hakko Wick
Model No. : FR150-81, -82, -83, -84, -85, -86, -87, -88, -89
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 : Not classified
Flammable gases : Not applicable
Aerosols : Not applicable
Oxidizing gases : Not applicable
Gases under pressure : Not applicable
Flammable liquids : Not applicable
Flammable solids : Not classified
Self-reactive substances and mixtures : Not classified
Pyrophoric liquids : Not applicable
Pyrophoric solids : Not classified
Self-heating substances and mixtures : Not classified
Substances and mixtures which, in contact with water, emit flammable gases : Not classified
Oxidizing liquids : Not applicable
Oxidizing solids : Not classified
Organic peroxides : Not classified
Corrosive to metals : Not classified
Desensitized explosives : Not classified
Ingestion hazard : Not classified

Health hazards

Acute toxicity, oral : Not classified
Acute toxicity, dermal : Not classified
Acute toxicity, inhalation (gas) : Not applicable

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Acute toxicity, inhalation (vapour)	:	Not classified
Acute toxicity, inhalation (dust and mist)	:	Category 4
Skin corrosion/irritation	:	Not classified
Serious eye damage/eye irritation	:	Not classified
Respiratory sensitization	:	Category 1
Skin sensitization	:	Category 1
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
Reproductive toxicity/ Lact. ('effects on/via lactation')	:	Not classified
Specific target organ toxicity - single exposure	:	Category 1 (Digestive tract) Category 3 (Respiratory tract irritation)
Specific target organ toxicity - repeated exposure	:	Not classified
Aspiration hazard	:	Not classified
Environmental hazards		
Hazardous to the aquatic environment, acute aquatic toxicity	:	Not classified
Hazardous to the aquatic environment, chronic aquatic toxicity	:	Not classified
Hazard to the ozone layer	:	Not classified
Label elements		
Hazard pictograms	:	
Signal word	:	Dangerous
Hazard statements	:	May be harmful if inhaled. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties. May cause respiratory irritation. Digestive disorders.
Precautionary statements		
Safety precautions	:	Avoid inhaling dust, smoke, gas, mist, vapor, or spray. After handling, wash hands, face, and exposed skin thoroughly with soap and water. Do not eat, drink, or smoke while handling. Use only in a well-ventilated area or outdoors. Keep contaminated work clothes in the work area. Wear appropriate personal protective equipment (PPE) to protect skin, eyes, and respiratory system from contact with product. If ventilation is inadequate, wear respiratory protection.
First-aid measures	:	If on skin, immediately rinse with plenty of water. If inhaled, remove to fresh air and allow to rest in a position comfortable for breathing. If exposed or suspected of exposure, seek medical attention. If feeling unwell, seek medical attention. If skin irritation or rash occurs, seek medical attention. If breathing difficulties occur, seek medical attention.

- Storage : Remove contaminated clothing, and launder contaminated clothing before reuse.
Store in a well-ventilated place.
Store in a closed container.
Store in a locked container.
- 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 (%)	CASNo.
Copper	≥95	7440-50-8
Rosin	≤2.85	8050-09-7
Polymerized rosin	≤2.15	Confidential

SECTION 4: First-aid measures

- If inhalation : Move victim to well-ventilated area.
If symptoms persist, seek medical attention.
- If on skin : Rinse with soap and plenty of water immediately.
If symptoms persist, seek medical attention.
- If in eyes : If in eyes, rinse thoroughly with water for at least 15 minutes.
If contact lenses are present and can be easily removed, remove them.
Continue rinsing until irritation subsides.
Seek medical attention from a doctor immediately.
- If swallowed : Rinse mouth with water.
Do not give anything to eat or drink if the victim is unconscious.
Call a doctor or poison control center immediately.
Do not induce vomiting without medical advice.
- Precautions for the protection of first-aid responders : Wear personal protective equipment (PPE).

SECTION 5: Fire-fighting measures

- Suitable extinguishing media : Use powder, foam, carbon dioxide, or sand to extinguish fire.
- Unsuitable extinguishing media : Rodded water spray.
- 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 personal protective equipment (PPE).
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 : Implement the equipment measures described in "8. Exposure controls/personal protection" and wear personal protective equipment.
- Exhaust/ventilator : Use local exhaust ventilation.
- Safety Handling Precautions : Wear personal protective equipment (PPE).
No eating, drinking, or smoking is allowed except in designated areas.
Do not bring contaminated protective equipment, such as gloves, into break areas.
Prohibit unauthorized entry to the handling area.
Do not handle the container roughly, such as by tipping it over, dropping it, hitting it, or dragging it.
Prevent leaks, spills, and splashes, and do not generate dust or vapors unnecessarily.
Close the container tightly after use.
- Contact Avoidance : Avoid contact with alkalis and strong oxidizers.
- Hygiene measures : Avoid contact with skin, eyes, and clothing.
Wear personal protective equipment (PPE).
After handling, wash hands, face, and other exposed areas thoroughly.

Storage

- Storage conditions : Keep container tightly closed, and store in a cool, dry, well-ventilated area, away from direct sunlight.
- Incompatible materials : Alkalis and strong oxidizers
- Safe Container and Packaging
Materials : Polyethylene (PE)

SECTION 8: Exposure controls/personal protection

Adopted value

Japan Society for Occupational Health	:	Not configured.
ACGIH	:	Copper (fume) : 0.2mg/m ³ TWA Copper (dust, mist) : 1mg/m ³ TWA

- Equipment measures : If used indoors, enclose the source of emissions or install local exhaust

ventilation.
Install safety showers, eyewash stations, and hand-washing facilities near the handling area.

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.

SECTION 9: Physical and chemical properties

- Physical state : Rosin coated copper wire.
- Color : Copper-colored
- 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 : Not biodegradable under normal conditions.
- Conditions to avoid : Contact with incompatible materials.
Direct sunlight, high temperature.
- Incompatible materials : Alkalis and oxidizers
- Hazardous decomposition products : Carbon monoxide (CO), Carbon dioxide (CO2).

SECTION 11: Toxicological information

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Acute toxicity, oral	:	Not classified
Acute toxicity, dermal	:	Not classified
Acute toxicity, inhalation (gas)	:	Not classified (Not classified as a gas according to GHS)
Acute toxicity, inhalation (vapour)	:	Not classified
Acute toxicity, inhalation (dust and mist)	:	H332 : May be harmful if inhaled.
Skin corrosion/irritation	:	Not classified
Serious eye damage/eye irritation	:	Not classified
Respiratory sensitization	:	H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization	:	H317 : May cause allergic skin reactions.
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
Reproductive toxicity/ Lact. ('effects on/via lactation')	:	Not classified
Specific target organ toxicity - single exposure	:	H370 : May cause respiratory irritation and damage to Digestive tract system.
Specific target organ toxicity - repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

SECTION 12: Ecological information

Hazardous to the aquatic environment, acute aquatic toxicity	:	Not classified
Hazardous to the aquatic environment, chronic aquatic toxicity	:	Not classified
Ecotoxicity	:	Data not available
Persistence and degradability	:	Data not available
Bioaccumulation	:	Data not available
Soil mobility	:	Data not available
Hazard to the ozone layer	:	Not classified

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. Wicks that have been disposed of may contain solder, which can leach into the environment under certain conditions. It is important to take precautions when disposing of wicks.
Contaminated containers/packaging	:	Waste packaging containers must be disposed of by a waste disposal company that has been approved by the prefectural governor, after the contents have been completely removed.

SECTION 14: Transport information

International regulations

UN number : Not applicable
Proper shipping name : Not applicable
Class or division : Not applicable
Packing group : Not applicable
Special safety precautions for
Transportation or transportation means : Follow the general safety precautions.

SECTION 15: Regulatory information

Industrial Safety and Health Act : Chemical subject to SDS provision
(Table 9-379) 【Copper and its compounds】
Labeling/Chemical subject to SDS provision
(Table 9-632) 【Rosin】
PRTR Act : Not applicable
Poisonous and Deleterious Substances
Control Act : Not applicable
Air Pollution Control Act : Substances that may be classified as Hazardous Air Pollutants.
128 of Central Environment Council 9th Report (Appendix 1)
Water Pollution Prevention Act : Designated Substances
Article 3-3-53 of Cabinet order

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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