

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: Hakko Wick
Model: No. FR150-81,-82,-83,-84,-85,-86

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

	Rosin
Acute toxicity (Inhalation: dust, mist etc.)	Category 4

GHS L ELEMENTS

PICTOGRAM :
OR SYMBOL



SIGNAL : Warning
WORD

HAZARD : Hazardous by inhalation(dust)
INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	:	Rosin	Copper
Ingredient and its content (%)	:	< 5%	>95%
Chemical formula	:	—	Cu
CAS No.	:	Not announce	7440-50-8

ENCS No. (CSCL)*	:	Not announce	-
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* ENCS: Existing and new chemical substances; CSCL: Chemical Substances Control Law (Law Concerning the Examination and Regulation of Manufacture etc. of Chemical Substances)

- ※ No hazardous ingredients are contained although rosin with content of 0.1% may cause an allergic reaction.

4. FIRST-AID MEASURES

- Eye contact** : Do not rub or close eyes.
Remove the foreign matter and flush eyes with plenty of water. Consult an ophthalmologist as soon as possible.
- Skin contact** : Although no harm is expected by skin contact, inflammation may result.
- Ingestion** : Induce vomiting or spit it out if possible, and seek medical attention.
- Touched during heat application** : Flush the affected area with plenty of water, and then treat the burn.

5. FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA** : Use carbon dioxide foam, sand or earth.
- Special fire fighting procedures** : Be sure to use the above extinguishing media, not using water, to extinguish a fire.

6. ACCIDENTAL RELEASE MEASURES

- Removing procedures** : Collect the released/scattered products and dispose of them as non-combustible waste.

7. HANDLING & STORAGE

Handling

- Handling precautions : Use the product in a well-ventilated area. If the area is not well-ventilated, use a local ventilator.

Storage

- Storage precautions : Store the product at room temperature, out of direct sunlight. Keep it away from high temperature substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE FACILITIES :

- Local Ventilator : Sufficient ventilation must be provided.
 Allowable concentration : No information

Protective gear

- Protective gear for respiratory : No respiratory protection is needed.
 Protective gear for eyes : Wear eye protection when you cut it short.
 Protective gloves : Wear protective gloves if rosin causes inflammation to your skin.
 Protective clothing : No protective clothing is needed.
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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL PROPERTIES

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|-----------------------|---|
| APPEARANCE | : Rosin coated copper braid |
| Volatility | : No volatility |
| Ignition point | : No information |
| Stability | : Stable |
| Reactivity | : Stable |
| Solubility | : Rosin is insoluble in water; it is partly soluble in aromatic solvent, such as alcohol. |
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10. STABILITY AND REACTIVITY

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|-------------------------------|--|
| Stability / Reactivity | : No information |
| Ignition point | : No information |
| Combustibility | : No information |
| Spontaneous ignition | : No information |
| Oxidation nature | : Copper may be oxidized if left in the humid environment for a long time. |
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11. TOXICOLOGICAL INFORMATION (Including symptom of human and epidemical information)

Although the product is not irritant to skin, rosin in the product may cause allergic skin reaction.

12. ECOLOGICAL INFORMATION

- | | |
|--------------------------|------------------|
| Mobility | |
| Degradation | : No information |
| Bioaccumulation | : No information |
| Toxicity for fish | : No information |

13. DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with regional regulations.

Waste wick to be disposed of contains solder, which can leach out depending on the environmental conditions. Take extra care to avoid such leaching.

14. TRANSPORTATION INFORMATION

Comply with the general transportation instructions.

15. REGULATORY INFORMATION

Fire Service Law: article 9-3 : The product fits into the combustible solid (3000kg) category of combustible materials.

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

16. OTHER INFORMATION

Reference: Manufacturer-issued MSDS

Established on March 7, 2017

Revised on Sep. 20, 2018

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.