

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

Product name : Cleaning wire
 Model No. : 599-029, A1561
 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 : Soldering tip cleaner

SECTION 2: Hazards identification

GHS classification : Not classified by the criteria
 GHS label elements : Not classified by the criteria

SECTION 3: Composition/information on ingredients

Category of chemical substance /mixture : Mixture
 Chemical name or generic name : Tip cleaning wire

Ingredient name		Content (%)	CAS No.
Flux	Rosin	<0.02	8050-09-7
	Hydrogenated fatty acid	<0.18	Confidential
Brass		>99.8	—

SECTION 4: First-aid measures

If inhalation : If inhale the vapors generated during work and feel irritation in throat and nose, move to a well-ventilated area and rinse mouth and throat with water. Seek medical attention if necessary.
 If on skin : Wash the contacted areas with water and soap as needed.
 If in eyes : Flush with clean water for several minutes. Seek medical attention if irritation or injury occurs on eye(s).
 If swallowed : Rinse mouth with water thoroughly and seek medical attention if necessary.

SECTION 5: Fire-fighting measures

Suitable extinguishing media : Water spray, foam fire extinguisher, powder fire extinguisher, carbon dioxide, and dry sand.
 Unsuitable extinguishing media : Water jets
 Specific fire-fighting measures : Move containers from fire area if it is safe to do so.
 Remove ignition sources 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).

Safety Data Sheet

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SECTION 6: Accidental release measures

- Personal precautions, protective Equipment and emergency procedures : Wear protective gloves.
- Environmental precautions : Prevent the leakage from reaching sewers and public water bodies.
- Methods and material for containment and cleaning up : Gather up and collect in an appropriate container.

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 : Provide local exhaust ventilation and general ventilation as described in Section 8, Exposure Control/Precautions.
- Safety Handling Precautions : Refer to precautionary statements for prevention measures in SECTION 2: Hazards identification.
- Hygiene measures : After handling, wash hands thoroughly and gargle before smoking, eating, or drinking.

Storage

- Storage conditions to be avoided : To prevent heat accumulation, ignition, and other changes, avoid the following.
①Direct sunlight ②High temperature and humidity ③Outdoor storage
- Safe Container and Packaging Materials : Appropriate container and packaging materials.

SECTION 8: Exposure controls/personal protection

Adopted value

Japan Society for Occupational Health	:	Not set
ACGIH	:	0.001mg/m ³ (TLV) :Rosin

- Equipment measures : Process enclosure, local exhaust ventilation, and other equipment measures must be used.

Protective equipment

- Respiratory protection : Wear a respirator.
- Hand protection : Wear protective gloves.
- Eye/face protection : Wear eye protection.
- Skin and body protection : Wear workwear, safety shoes, and others as required.

SECTION 9: Physical and chemical properties

- Physical state : Solid
- Color : Yellow ~ Brown
- Odor : Distinctive odor
- 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

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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	:	Data not available
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

SECTION 10: Stability and reactivity

Reactivity	:	When heated, it decomposes and emits irritating fumes.
Chemical stability	:	Considered stable under storage and handling conditions.
Possibility of hazardous reactions	:	May react with strong acids and alkalis.
Conditions to avoid	:	Keep away from direct sunlight and high temperature except a soldering iron.
Incompatible materials	:	Strong oxidizers, strong alkalis
Hazardous decomposition products	:	When burnt or heated, it decomposes and may emit irritating fumes.

SECTION 11: Toxicological information

Acute toxicity, oral	:	Classification not possible
Acute toxicity, dermal	:	Classification not possible
Acute toxicity, inhalation (gas)	:	Classification not possible
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	:	Classification not possible
Skin sensitization	:	Classification not possible
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	:	Classification not possible
Specific target organ toxicity - repeated exposure	:	Classification not possible
Aspiration hazard	:	Classification not possible

