

Hangzhou Junyue Technology Co.,ltd

SAFETY DATA SHEET

SECTION 1: Manufacturer's information

Item Name	Environmentally friendly flux
Product Code	803
Manufacturer's name	Dongguan Hengsong Electronic Technology Co., Ltd.
Emergency contact number/fax	TEL:0512-50329647, 18914962462

SECTION 2: Ingredient identification information

The name of the substance	CAS NO.	Concentration or Concentration Range (Ingredient %)	Substance classification and schema
Rosin	65997-06-8	1.5-2.0%	
Activator		1.2-1.6%	
Lubricant		0.8-1.5%	
Antioxidants		0.1-0.3%	
Foaming agent		0.1-0.2%	
Anti-volatile agent		1.5-2.5%	
Mixed alcohol solvent	67-63-0	90.0-92.1%	

SECTION 3: Hazard Identification Information

Most important harmful effect	Health Hazardous Effects: Mild irritation to eyes and upper respiratory tract, direct contact of liquids to eyes can cause severe irritation.
	Environmental Effects: Slightly toxic to aquatic organisms.
	Physical and chemical hazards: Liquids and vapors are flammable. Containers in fire areas may rupture and explode. The vapors are heavier than air and may cause flashbacks when exposed to fire sources.
	Special hazards: /
Main symptoms:	irritation.
Item Hazard Classification:	Class 3.

SECTION 4: First-aid

First aid methods for different exposure route:
● Inhalation: 1. Move the patient to fresh air. 2. If the injury does not recover quickly, seek medical attention immediately.
● Skin Contact: 1. Immediately wash affected area with soap and water. 2. Take off dirty clothes and shoes when washing, and wear them after washing. 3. If irritation persists, seek medical attention immediately.
● Eye contact: 1. Immediately open the eyelids and rinse the contaminated eyes thoroughly with lukewarm water for at least 20 minutes. 2. Get medical attention immediately.
Ingestion: 1. Unless the patient is unconscious or convulsed, give the patient plenty of water to induce vomiting. 2. Seek medical attention immediately.
The most important symptoms and harmful effects: irritation
Protection of first aid personnel: Wear protective gloves to avoid contact with contaminants.
Tips for Physicians: /

SECTION 5: Fire fighting measures

Applicable extinguishing media: carbon dioxide, dry chemical powder, foam.
Special hazards that may be encountered during fire fighting: Its vapour is heavier than air and may cause flashback in case of fire.
Special Fire Fighting Procedures: Water mist is not suitable for extinguishing fires, but it can absorb heat, cool containers and protect exposed materials.
Special protective equipment for firefighters: Wear air breathing apparatus, protective gloves and fire-fighting clothing.
Personal Protective Equipment: Protective gloves, safety eyes and air respirator.

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SECTION 6: Leak handling method

Personal precautions: Provide appropriate protective equipment and ventilation.

Environmental Precautions: 1. Remove heat and sources of ignition. 2. Try to prevent leakage if the safety situation permits.

Clean-up method: 1. Surround the leak. 2. Recycle the liquid as much as possible for recycling or waste disposal, otherwise use clay, sand, or other absorbents to absorb the liquid.

SECTION 7: Safe handling and storage methods

Handling: 1. Minimize handling in a specific area that is well ventilated and away from heat or sparks.

2. It needs to be grounded during mixed operation or transported by tanker, and the container must be covered when not in use.

Store: 1. Store in a tightly closed container, in a ventilated place and away from the workplace.

2. The storage area should be equipped with an independent ventilation system, and fire sources are strictly prohibited. Fans and electric motors should be explosion-proof.

Effective date: one year

Storage temperature: 5-35°C

SECTION 8: Exposure Precautions

Engineering control: 1.Overall ventilation or local exhaust. 2.Use only a non-sparking and grounded ventilation system.

3.The exhaust port leads directly to the outside. 4.Sufficient fresh air is supplied to supplement the air drawn by the exhaust system.

Control parameter:

- Time-weighted average(TWA)/Short-term exposure limit(STEL)/ Maximum allowable concentration: 400ppm/500 ppm/~*
- Biological indicators: LD505045mg/kg(Rat swallowed)

Personal protective equipment:

- Respiratory protection: Alcohols are safe solvents,However, when working with high concentrations and short distances, it is best to wear a mask against organic solvents.
- Hand protection: Operators must wear impermeable gloves made of long Butyl rubber, clear rubber, Viton and other materials.
- Eye protection: When adding flux or thinner, it is best to wear safety glasses to prevent the solution from being sprayed into the eyes.
- Skin and Body Protection: One-piece protective clothing, work boots made of butyl rubber, clear rubber and other materials.

Hygiene measures: 1.Take off soiled clothes as soon as possible after work, wash them before wearing again, and inform the laundry staff of the hazards of pollutants. 2.Smoking or eating and drinking are strictly prohibited in the workplace. 3.Wash hands thoroughly after handling this material. 4.Keep the workplace clean.

SECTION 9: Physical and chemical properties

Physical state:	Liquid	Odor:	Alcoholic fragrance
Boiling range(°C):	76.0—82.5	specific gravity(20°C):	0.799±0.005
Saturated vapor pressure (kPa) :	4.1(20°C)	Auto-ignition temperature(°C):	425(ASTM D-2155)
Explosion ceiling%(vol):	12	闪点(°C):	12
Lower explosive limit%(vol):	2		

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SECTION 10: stability and reactivity

stability: stable(-5°C-35°C)

Possible hazardous reactions under special circumstances: Strong oxidants (nitrates, perchlorates, peroxides) increase fire and explosion hazards.

Conditions to avoid: Direct sunlight or high heat are strictly prohibited. Avoid contact with moisture or acid-base and static electricity. Sparks and other ignition sources.

Substances to Avoid: Moisture, acids, alkalis, grease or inorganic substances.

Hazardous decomposition products: /

SECTION 11: Toxicity Information

Acute toxicity: Inhalation: Mildly irritating the upper respiratory tract at concentrations above 400PPM.

Skin: Short-term exposure does not irritate the skin.

Eye: 1. Concentrations above 400PPM will cause mild irritation. 2. Its liquid will cause serious irritation if it directly touches the eyes.

Ingestion: May cause dizziness, gastrointestinal pain, cramps, nausea and diarrhea.

LD₅₀ (Test animals, route of absorption) : 5045mg/kg(Rat swallowed) .

LC₅₀ (Test animals, route of absorption) : 16000mg/8H(Rat swallowed) .

Local effect: 500 mg(Rabbit,skin) Causes mild irritation.

100 mg(Rabbit,skin) Causes mild irritation.

Sensitization: /

Chronic or long-term toxicity: There are currently no formal medical reports.

Special Effects: LARC listed it as Group3.

SECTION 12: Ecological information

Possible environmental impact/environmental distribution:

1: Does not accumulate in the body.

2: When released into soil, it is expected to evaporate rapidly and flow into the ground due to its high vapor pressure and adsorption to soil.

3: When released into water. Expected to evaporate and possibly biodecompose.

4: When released into the air, photolysis is expected and may be washed off by rainwater due to its solubility in water.

5: Slightly toxic to aquatic organisms.

SECTION 13: Disposal method

Disposal method: Please hand over to a licensed organic waste disposal company for disposal.

Incinerate in a specific landfill or in an approved solvent incinerator.

SECTION 14: Shipping information

International Shipping Regulations: DOT 49 CFR classifies it as a Class III flammable liquid, Packing Class II (US Department of Transportation).

UN number: 1219

Domestic Shipping Regulations: Road Traffic Safety Regulations

Special shipping methods and precautions: /

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SECTION 15: Regulatory information

Applicable regulations::

Worker Safety and Sanitation Regulations

Dangerous Substances and Hazardous Substances Communication Rules

Organic Solvent Poisoning Prevention Rules

Tolerable Concentration Standards of Harmful Substances in the Air of Labor Working Environment

Road Traffic Safety Rules

Industrial waste storage, removal and disposal methods and facility standards

SECTION 16: Other information

References: Chinese Database of Hazardous Chemical Substances, Environmental Protection Agency.

Tabulation unit	Company: Hangzhou Junyue Technology Co.,ltd Address/Telephone: 3 Floor, Unit 4, No.2630 Yuhang Tang road, Cangqian Street, YuHang District,Hangzhou China/+86 571-56391692
SDS Author	Engineer

Remarks: The symbol in the above information means that there is no relevant information currently available, and the symbol / means that this field is not suitable for this substance.