

Safety Data Sheet

Sample Name: Ultra-concentrated wire-cut emulsion

Effective Date: 2022-12-5

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Ultra-concentrated wire-cut emulsion

1. Product and Manufacturer Identification

Product name	Ultra-concentrated wire-cut emulsion		
Manufacturer/Supplier	Zhuji Chengbei Jiarun Wire-electrode Cutting Oil Factory		
Address	Taozhu Street, Zhuji, Zhejiang		
Telephone	+86-13902401204	Fax	+86-757-82701988
SDS No.	WXMS2200600-2 bE	Effective date	December 5, 2022
Emergency phone	+86-575-87300281	Contact person	Mr. Kuang

2. Hazards Identification

GHS Hazard Class	Skin sensitization(Category 1).		
Pictogram and signal word	 Warning		
Hazard statement(s)	H317 May cause an allergic skin reaction.		
Precautionary statement(s)	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves. P302 + P352 IF ON SKIN: Wash with plenty of water. P333 + P317 If skin irritation or rash occurs: Get medical help. P362 + P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/container to the licensed disposal company.		
Explosion hazards	Prolonged exposure to heat or flame may cause fire.		

* Classification according to GHS (Globally Harmonized System of Classification and Labelling of Chemicals) (Ninth revised edition).

3. Composition/Information on Ingredients

Component	Range % by Wt.	CAS No.
Mechanical oil	85	No data available

Vegetable oleic acid	10	112-80-1
Rosin	4.5	8050-09-7
Edible alcohol	0.05	64-17-5
Water	0.45	7732-18-5

4. First Aid Measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. If symptoms persist or in all cases of doubt seek medical advice.
Skin contact	Rinse with plenty of water for several minutes. If skin irritation persists, call a physician.
Eye contact	Immediately rinse cautiously with water for several 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If experiencing eye irritating symptoms, consult a physician.
Ingestion	Rinse mouth and give large quantities of water to drink. In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

5. Fire Fighting Measures

Types of hazard	Prolonged exposure to heat or flame may cause fire.
Hazardous combustion products	Carbon oxides and other irritating gases/fumes.
Fire-fighting measures	Use any means suitable for extinguishing surrounding fire. Suitable extinguishing medial: dry powder, carbon dioxide, alcohol-resistant foam, etc.
Additional Information	In the case of fire, wear self-contained breathing apparatus and protective clothing. Avoid contact with eyes and skin.

6. Accidental Release Measures

<p>Isolate spill or leak area and keep unnecessary and unprotected personnel form entering. Wear suitable protective equipment. Use non-sparking tools and equipment. Soak up with inert absorbent material and transfer to the suitable containers for disposal. Flush the contaminated area with plenty water, should not be released into the environment.</p>

7. Handling and Storage Measures

Handling	Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling.
Storage	Keep container tightly closed. Stored in a cool, dry, well-ventilated area.

8. Exposure Controls / Personal Protection

Occupational exposure limits	Not established.
Engineering controls	In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered. Handle in accordance with good industrial hygiene and safety practice.
Eye protection	Use safety goggles or face protections to protect against possible eye exposure.
Skin protection	Wear protective gloves.
Body protection	Wear chemical protective clothing.
Inhalation protection	In case of fire, use self-contained breathing apparatus.
Other protection	No information.

9. Chemical and Physical Properties

Appearance and odor	Yellow paste, weak odor.
pH	≈ 11.
Flash point	>93 °C (Closed cup).
Relative density(water=1)	No data available.
Solubility	Insoluble in water.
Flammability	Not classified as flammable liquid.
Explosive properties	Not classified as explosive substances.
Oxidizing properties	Not classified as oxidizing substances.
Main purpose	Wire cutting cleaning paste.
Other properties	No data available.

10. Stability and Reactivity

Stability	Stable under normal ambient temperature and pressure.
Incompatibilities	Strong oxidizers.
Conditions to avoid	Heat, open fire.
Hazardous polymerization	No data available.
Hazardous decomposition	Carbon oxides and other irritating gases/fumes.

11. Toxicological Information

Acute toxicity	Rosin (CAS No. 8050-09-7): LD50 - Oral - Rat - >5000 mg/kg LD50 - Dermal - Rat - >5000 mg/kg
Skin corrosion/irritation	No data available.
Eye damage/irritation	No data available.
Respiratory or skin sensitization	Rosin (CAS No. 8050-09-7): Skin sensitization(Category 1).
Germ cell mutagenicity	No data available.
Carcinogenicity	The product is not listed in IARC (International Agency for Research on Cancer) Category.
Reproductive toxicity	No data available.
Specific target organ toxicity-single exposure	No data available.
Specific target organ toxicity-repeated exposure	No data available.
Aspiration hazard	No data available.
Health hazards	Inhalation: Will not cause harm under general conditions. Skin Contact: May cause an allergic skin reaction. Eye Contact: May cause mild eye irritation. Ingestion: May be harmful if swallowed.
Other toxicity	No data available.

12. Ecological Information

Ecological toxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulation	No data available.
Mobility in soil	No data available.
Others	No data available.

13. Disposal Information

Disposal measures	Offer surplus and non-recyclable contents/containers to a licensed disposal company.
Notes	Local disposal regulations may differ from Chinese regulations. Dispose in accordance with local country or state.

14. Transportation Information

Regulations	IATA DGR (63rd Edition)	IMDG Code (2020 Edition)
UN No.	Not regulated.	Not regulated.
Proper Shipping Name	Not regulated.	Not regulated.
Hazard Class/Division	Not regulated.	Not regulated.
Packing Group	Not regulated.	Not regulated.
Packing Method	Not regulated.	Not regulated.
Environmental hazards	Not regulated as environmentally hazardous substance / marine pollutants.	
Notes	No information.	

15. Regulatory Information

Domestic authority regulations:

Regulations on the Safety Administration of Dangerous Chemicals (2011).

This substance is listed in General rule for classification and hazard communication of chemicals (GB 13690-2009).

International Regulations:

Commission Regulation (EC) No. 1907/2006 (REACH) and its amendments.

Commission Regulation (EC) No. 1272/2008 (CLP) and its amendments.

Waste Framework Directive 2008/98/EC and its amendments.

Toxic Substance Control Act (TSCA).

16. Other Information

According to	Safety Data Sheet for Chemical Products-Content and Order of Sections (ISO 11014: 2009)
Issue date	December 2, 2022
Prepared and checked by	Department of Physical Properties Test, China National Analytical Center, Guangzhou
Other information	_____

*****The End*****