

“JIARUN” Cooling Liquid for HSWEDM

(Water-soluble Cooling Liquid for HSWEDM)

Material Safety Data Sheet

(MSDS)

**Preparation Unit: Zhuji City Chengbei Jiarun WEDM Cooling
liquid Manufactory**

Preparation Date: Jun. 10, 2019

1. COMPANY IDENTIFICATION

Company Name: Zhuji city chengbei Jiarun WEDM cooling liquid manufactory

Address: Jiyang street, Zhuji city

Postcode: 311800

Tel/Fax: 0575-87300281

Homepage: <http://www.jrwedm.com>

E-mail: jrwedm@163.com

Preparation Dept: R & D department

2. PRODUCT NAME AND COMPOSITION

Product Name: "JIARUN" Cooling Liquid for HSWEDM

(Water-soluble Cooling Liquid for HSWEDM)

Main Compositions: Oil Potassium, Various Surfactants, Antirust, Industrial purified water and so on.

3. HAZARDS INFORMATION

Eye Contact: It would cause no harm if being used normally.

Skin Contact: It would cause no harm if being used normally.

Ingestion: It may cause gastrointestinal damage.

Inhalation: From the vapour of material ,it may cause a little of taste stimulation, Performance seems as a trace of metallic taste.

4. FIRST-AID MEASURES

Skin Contact: Just wash contacted area with running water.

Eye Contact: Open eyelids immediately. Flush eyes in running water or medicinal saline water until the elimination of strange feeling. In severe cases, seek medical attention immediately.

Ingestion: If eat by mistake, Drink sufficient quantity of water immediately to dilute or induce vomiting. In severe cases, seek medical attention immediately.

Inhalation: Move the victim to fresh air area immediately, if the person has difficulty in breath, ask for doctor's advice instantly.

5. FIRE-FIGHTING MEASURES

Explosion Feature: No burn with flames, and has no danger of explosion.

6. ACCIDENTAL RELEASE MEASURES

Put the material that has not leak out in sealed plastic bags or containers to prevent further leaking. And clean the leaking out liquid immediately, wash the little remaining paste with water, not to violate the local waste disposal regulations.

HANDLING AND STORAGE

Handling: Ventilating the workplace, loading and unloading lightly when carrying, preventing the package deformation or damage.

Hand protection: Avoiding immersing hands in diluted cooling liquid for long time, and washing the hands after contact.

Other protection: Eating food in workplace is prohibited.

Storage: Be stored in ventilated warehouses, and avoid direct sunlight.

7. EXPOSURE CONTROL/PERSONAL PROTECTION

Eye Protection: No necessary if it is used normally.

Skin Protection: No necessary if it is used normally.

Clothes Protection: No necessary if it is used normally.

Breathing Equipment: No necessary if it is used normally.

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Characters: Shallow brown half transparent liquid

PH: (1:15): 9~11.

Emulsifying Capacity: Distribute evenly and lighter milky white mixed with water.

Antirust Capability: No rust (20°C±2 °C, Cast Iron HT300, Each for 48 hours).

Purpose: As cooling liquid for HSWEDM machining.

Usage: Use after diluted with running water in proportion of 1:15.

9. STABILTY AND REACTIVITY

Stability: stable in normal storage and use.

Conditions to avoid: avoid direct sunlight, and stored below 0°C for a long time.

10. HAZARDS IDENTIFICATION

Toxicity: A substance with no toxicity and chemical stability, belongs to practically nontoxic class tested by Center of Hygienic Analysis & Detection, Nanjing Medical University (Report No. bg-07NYQT-WT011)

Other Traits: Non-irritating, non-corrosive, has no stimulation or corrosion on skin and clothing, etc.

11. ECOLOGICAL INFORMATION

Ecological toxic: it will cause no harm to the environment if being in normal use.

12. DISPOSAL CONSIDERATIONS

Put used liquid into sewage treatment system.

13. TRANSPORT INFORMATION

Be careful when transport, take care weather the containers leak or not, avoid the containers being inverted, falling down, being damaged or crushed. It can be transported by highway, railway and ocean.

14. REGULATORY INFORMATION

A: Special hazardous property: NO

B: Safety instruction: avoid contacting with eyes

Products Standard: Q/ZJRX001-2004

Safety data sheet for chemical products-Content and order of sections (GB/T 16483-2008)

15. OTHERS

References : Encyclopedia of Chinese Chemical Products. Beijing: Chemical Industry Press. 1994.

