



DIC-206

Water-Soluble WEDM Concentrate

Material Safety Data Sheet

Revision date: 09/11/2015

Page: 1/3

1. Substance/preparation and company identification

Company

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Product Trade Name : DIC-206 Water-Soluble WEDM Concentrate
CAS Number : Not applicable for mixtures.
Synonyms : None.
Product Type : Metalworking Fluid for Wire EDM.

2. Hazards identification

Appearance: Pale Yellow Liquid.

Odour: Mild.

Principal Hazards:

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Acute toxicity: Non-observed toxicity.

3. Composition/information on ingredients

Hazardous Ingredients:

Comp	CAS No.	Percentage (by wt.)	Carcinogen
Substituted polyether	Confidential	From 3 to 12 percent	N/E
Triethanolamine	102-71-6	From 8 to 20 percent	N/E
Boric acid amine salt	Confidential	From 3 to 12 percent	N/E

N/E =None established

RoHS testing result: “—” / N.D. (“—” =Does not stipulate N.D. =Not Detected)

4. First-aid measures

If in eyes:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

If on skin:

Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.

If inhaled:

Remove exposed person to fresh air if adverse effects are observed.

If swallowed:

DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.



DIC-206

Water-Soluble WEDM Concentrate

Material Safety Data Sheet

Revision date: 25/02/2009

Page: 2/3

5. Fire fighting measures

No special fire fighting measures required. DIC-206 Water-Soluble WEDM Concentrate itself will not burn.

6. Accidental release measures

Use personal protective clothing as needed. Ensure adequate ventilation. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

7. Handling and storage

Pumping Temperature:	Not determined.
Maximum Handling Temperature:	Not determined.
Handling Procedures:	No special handling precautions required.
Maximum Storage Temperature:	50°C
Storage Procedures:	No special storage precautions required.

8. Exposure controls and personal protection

Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:

Under normal use conditions, respirator is not usually required.

Hand protection:

Chemical resistant protective gloves.

Eye protection:

If potential for splash or mist exists, wear chemical goggles or face shield.

Body protection:

Long sleeve shirt is recommended. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction.

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Avoid inhalation of vapours/mists. Wash soiled clothing immediately.

9. Physical and chemical properties

Form:	liquid
Odour:	mild
Colour:	pale yellow
pH value:	8.2-8.5
Density:	1.15g/cm ³ (20°C)



DIC-206

Water-Soluble WEDM Concentrate

Material Safety Data Sheet

Revision date: 25/02/2009

Page: 3/3

10. Stability and reactivity

Stability: Material is normally stable at moderately elevated temperatures and pressures.

Decomposition Temperature: Not determined.

Incompatibility:

Strong acids. Strong bases. Strong oxidizing agents. Aldehydes. Ketones. Organic anhydrides. Halogenated solvents. Acrylates. This material contains amine. Do not add nitrite or other nitrosating agents due to the potential for nitrosamine formation.

Polymerization: Will not occur.

Thermal Decomposition:

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of the following elements will be formed: boron, nitrogen.

11. Toxicological information

Oral Acute Toxicity: LD50>10.0g/kg (According to the toxicity grade standard, it is belong to the grade of non-observed toxicity.)

12. Ecological information

13. Disposal considerations

Waste Disposal This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

14. Transport information

IATA (International): Not Regulated.

15. Regulatory information

China All components of this product are listed on the inventory of Existing Chemical Substances in China.

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