

## Material Safety Data Sheet

Revision date: 21-Jul-2010

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Catalog Number: 88101-2

Product name: MC-210

Synonyms: Mycoplasma Removal Agent (MRA)

Supplier: DS Pharma Biomedical Co., Ltd.

33-94 Enoki Suita City Osaka Japan

Telephone number: +81-6-6386-2164

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	EC No.
WATER	7732-18-5	≥ 25%	231-791-2
4-OXOQUINOLINE-3-CARBOXYLIC ACID DERIVATIVE	N/A	< 1%	-----

### 3. HAZARDS IDENTIFICATION

Indication of Danger: No declaration according to 67/548/EWG

### 4. FIRST AID MEASURES

**General advice:** In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Inhalation:** Move to fresh air. Call a physician immediately.

**Skin contact:** Rinse immediately with plenty of water and seek medical advice

**Ingestion:** Do not induce vomiting without medical advice.

**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam

**Specific hazards:** Burning produces irritant fumes.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Flash point:** Not determined

**Auto ignition temperature:** Not determined

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment.

**Environmental precautions:** Prevent product from entering drains.

**Methods for cleaning up:** Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

**Storage:** ROOM TEMPERATURE, PROTECT FROM LIGHT

**Handling:** Use only in area provided with appropriate exhaust ventilation.

**Safe handling advice:** Wear personal protective equipment.

**Incompatible products:** Oxidizing and spontaneously flammable products

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Ensure adequate ventilation.

**Respiratory protection:** Breathing apparatus needed only when aerosol, vapor or dust is formed.

**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.

**Eye protection:** Safety glasses with side-shields

**Hand protection:** Gloves

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Clear and light yellow

**Physical state:** Liquid

**Formula:** Not applicable

**Melting point/range:** No data available at this time.

**Boiling point/range:** No data available at this time.

**Density:** No data available

**Vapor pressure:** No data available

**Evaporation rate:** No data available

**Vapor density:** No data available

**Solubility (in water):** Soluble

**Flash point:** Not determined

**Auto ignition temperature:** Not determined

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Polymerization:** None under normal processing.

**Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapors such as carbon oxides.

**Materials to avoid:** Strong oxidizing agents

**Conditions to avoid:** Exposure to air or moisture over prolonged periods.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Acute toxicity

##### Components

WATER

4-OXOQUINOLINE-3-CARBOXYLIC

ACID DERIVATIVE

##### RTECS Number:

ZC0110000

Not Available

##### Selected LD50s and LC50s

Oral LD50 Rat = > 90 ml/kg

Not Determined

**Chronic toxicity:** Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

**Local effects:** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Specific effects:** May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.

**Primary irritation:** No data is available on the product itself.

**Carcinogenic effects:** No data is available on the product itself.

**Mutagenic effects:** No data is available on the product itself.

**Reproductive toxicity:** No data is available on the product itself.

## 12. ECOLOGICAL INFORMATION

**Mobility:** No data available

**Bioaccumulation:** No data available

**Ecotoxicity effects:** No data available

**Aquatic toxicity:** May cause long-term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

**Contaminated packaging:** Do not re-use empty containers

## 14. TRANSPORT INFORMATION

**UN/Id No:** Not a dangerous good.

**ADR/RID Proper shipping name:** Not Regulated

**IMDG/IMO Proper shipping name:** Not Regulated

**ICAO/IATA Proper shipping name:** Not Regulated

## 15. REGULATORY INFORMATION

**Indication of Danger:** No declaration according to 67/548/EWG

## 16. OTHER INFORMATION

**Prepared by:** Health & Safety

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**End of Safety Data Sheet**

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