

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Microcyn™ Solution

Company Identification

Oculus Innovative Sciences
1129 North McDowell Blvd.
Petaluma, CA 94954 USA
1-800-759-9305 (For emergencies and product information)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Oxidized Water, Sodium Chloride(NaCl), Hypochlorous Acid (HOCl) and Sodium Hypochlorite (NaOCl)

HAZARDOUS AND/OR REGULATED COMPONENTS

None

HAZARDS DISCLOSURE

This product does not contain hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under SARA 311 and 312, this product contains no known hazardous materials.

3. HAZARDS IDENTIFICATION

NOT HAZARDOUS to Humans and Animals

HMIS Rating - Health: 0; Flammability: 0; Reactivity: 0;
Personal Protection Index: A

NFPA Rating - Health: 0; Flammability: 0; Reactivity: 0;
Special Hazard: None

NFPA/HMIS Definitions: 0-Least
1-Slight
2-Moderate
3-High
4-Extreme

These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

POTENTIAL HEALTH EFFECTS

EYE: No hazards expected in normal use at room temperature.

SKIN: No hazards expected in normal use at room temperature.

INHALATION: No hazards expected in normal use at room temperature. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

INGESTION: No hazards expected in normal use at room temperature.

CARCINOGENICITY INFORMATION: No known cancer hazards

4. FIRST AID MEASURES

EYE CONTACT FIRST AID: Although this product is not known to cause eye irritation, if eyes become irritated, hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID: Although this product is not known to cause skin irritation, if skin becomes irritated, immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. Seek medical attention if irritation worsens or persists.

INHALATION FIRST AID: Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Seek medical attention if cough or other symptoms develop.

INGESTION FIRST AID: Although this product is not known to cause ingestion problems, if ingested, drink plenty of tap water. Seek medical attention if gastric distress develops.

STATEMENT OF PRACTICAL TREATMENT: Always have plenty of water available for first aid.

NOTES TO PHYSICIAN: Treat patient symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: None

TCC Flash Point: None

Auto-ignition Temperature: None

FLAMMABLE LIMITS IN AIR

LEL: None

UEL: None

EXTINGUISHING MEDIA: Material will not burn.

FIRE & EXPLOSION HAZARDS: Material will not burn.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS: None required.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE:

Ideal Storage is at Room Temperature (e.g. 20-25° C)

HANDLING: No special handling requirements.

STORAGE: Store away from direct sunlight and heat. Do not freeze.

8. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid

COLOR: Clear and Colorless

ODOR: Minimal

BOILING POINT: >212° F

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 1.0 (Water = 1)

MELTING/FREEZING POINT: 32° F

pH: 6.2-7.8

% VOLATILES: greater than 99.98%

9. STABILITY AND REACTIVITY

STABILITY: Stable.

POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS: Do not mix with products containing ammonia.

DECOMPOSITION: Decomposition will not occur

CONDITIONS TO AVOID: This material is safe under normal storage and handling conditions.

10. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Not available.

SKIN EFFECTS: No known hazards in normal use.

ORAL LD₅₀: >5000 mg/kg. No known hazards in normal use.

DERMAL LD₅₀: >5050 mg/kg . No known hazards in normal use.

INHALATION LC₅₀: >2.16 mg/kg/l. No known hazards in normal use.

11. ECOLOGICAL INFORMATION

Presents no hazard to the environment.

12. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Flush to drain or sewer.

PRECAUTIONS TO BE TAKEN: None.

13. TRANSPORTATION INFORMATION

PRODUCT LABEL: Microcyn™ Solution

D.O.T. SHIPPING NAME: Water

TECHNICAL SHIPPING NAME: Oxidized Water

D.O.T. HAZARD CLASS: None

UN NUMBER: None

D.O.T. LABEL: None

D.O.T. PLACARD: None

BULK CLASS: N/A

PACKAGE CLASS: 70, PG III

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.