

# MATERIAL SAFETY DATA SHEET

## Section 1 – PRODUCT/MANUFACTURER'S IDENTIFICATION

PRODUCT NAME: **Safe<sub>2</sub>O<sup>®</sup> RTE 01** EMERGENCY NUMBER: **800-424-9300**  
MSDS NUMBER: 14026 PRODUCT USE:  
VERSION NUMBER: 1.6 DOT HAZARD CLASS: 8  
ISSUE DATE: 03/28/03 DOT SHIPPING NAME: Corrosive liquid, Acidic, organic, N.O.S.  
REVISION DATE: 11/06/03 UN NUMBER: 3265  
PREPARED BY: Mionix Corporation PACKING GROUP: II  
MANUFACTURER: **Mionix Corporation**  
**4031 Alvis Ct.**  
**Rocklin CA 95677**  
916-632-2100

		HAZARD RATING
1	HEALTH	
0	FIRE	4 = Extreme
1	REACTIVITY	3 = High
C	MINIMUM PERSONAL PROTECTION	2 = Moderate
		1 = Slight
		0 = Insignificant

A=Goggles B=Goggles & Gloves C=Goggles, Gloves & Apron

ABBREVIATION KEY: NA = Not Applicable NE = Not Established ND = Not Determined

## Section 2 – HAZARDOUS INGREDIENTS INFORMATION

### HAZARDOUS CHEMICAL IDENTITY

Water

### CAS REG#

NA

Lactic Acid

50-21-5

Acidic Calcium Sulfate

NA

## Section 3 – PHYSICAL DATA

BOILING POINT: 104°C SPECIFIC GRAVITY (H<sub>2</sub>O = 1.0): 1.06-1.10 pH: ≤2.0  
PHYSICAL STATE: Liquid APPEARANCE: Clear to slightly cloudy ODOR: 0

## Section 4 – FIRE AND EXPLOSION DATA

FLASH POINT: >240° F EXTINGUISHING MEDIA: Water, alcohol foam, CO<sub>2</sub>, dry chemical, water/fog spray  
AUTO IGNITION TEMP: NA SPECIAL FIRE FIGHTING PROCEDURES: Exercise caution when fighting any chemical fire. Use NIOSH-approved self-contained breathing apparatus and full protective clothing.  
FLAMMABLE LIMITS IN AIR: NA UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

## Section 5 – HEALTH HAZARD DATA

### ROUTES OF ENTRY/EFFECTS OF OVEREXPOSURE

**EYES:** Causes chemical burns. Immediately flush with clean water.

**SKIN:** Causes chemical burns. Immediately flush with clean water.

**INHALATION:** Minimal respiratory irritation.

**INGESTION:** In concentrated form, may cause nausea, vomiting, and abdominal pain. Contact a physician immediately.

**CARCINOGEN EFFECTS:** None.

**TOXICITY INFORMATION FOR PRODUCT COMPONENTS:** Same as Calcium Sulfate and Sulfuric Acid.

**REPRODUCTIVE TOXICITY:** NA

### EMERGENCY AND FIRST AID PROCEDURES

**Inhalation:** If vaporized by boiling, may cause chronic bronchitis and pulmonary edema and erosion/discoloration of teeth.

**Skin contact:** Wash with copious amounts of water.

## Section 5 – HEALTH HAZARD DATA - Continued

**Ingestion:** Medical aid should be given only on advice of a qualified medical person. Give water; do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

**Eye Contact:** Flush eye with copious amounts of water for at least 15 minutes. Hold eyelids apart to ensure rinsing. Seek immediate medical attention.

## Section 6 – REACTIVITY

CHEMICAL STABILITY:	Stable	CONDITIONS TO AVOID:	Boiling and Freezing
HAZARDOUS DECOMPOSITION PRODUCTS:	None known	MATERIALS TO AVOID:	None
HAZARDOUS POLYMERIZATION:	No		

## Section 7 – SPILL AND LEAK PROCEDURES

### STEPS TO TAKE IF MATERIAL IS RELEASED OR SPILLED

SMALL SPILLS: Dilute with water      LARGE SPILLS: Neutralize with 3–10 volumes of 0.2 M Sodium or Potassium Bicarbonate  
WASTE DISPOSAL PROCEDURES: Neutralize (Waste products are calcium sulfate, CO<sub>2</sub>, calcium lactate and H<sub>2</sub>O)

## Section 8 – PROTECTIVE EQUIPMENT TO BE USED

RESPIRATORY PROTECTION: No

ODOR THRESHOLD: NA

EYE PROTECTION: Safety glasses or goggles should be worn if there is a possibility of eye contact.

PROTECTIVE CLOTHING: Where splashing is possible, wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

## Section 9 – SPECIAL PRECAUTIONS AND COMMENTS

HANDLING AND STORING: Do not allow to freeze.

OTHER: Do not allow to come in contact with strong base, hypochlorite bleach solution or any strong oxidizers.

## Section 10 – SARA SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

NONE LISTED

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