



Guardian Laboratories

a division of UNITED-GUARDIAN, INC.

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MATERIAL SAFETY DATA SHEET

**CALL FOR
THE LATEST
VERSION OF
THIS MSDS**

REPLACES:

1/13/2005

WRITTEN BY: J. Vernice

DATE: 23-Jul-08 **SIGNATURE**

1. IDENTIFICATION OF THE MATERIAL AND THE PRODUCER

COMMERCIAL NAME: RENACIDIN IRRIGATION

CHEMICAL NAME: [Drug Labelling] CITRIC ACID, USP (77-92-9), GLUCONO-DELTA-LACTONE, USP (90-80-2), MAGNESIUM CARBONATE, USP (546-93-0)
(CAS No:)

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2. COMPOSITION / INFORMATION OF THE INGREDIENTS

HAZARDOUS MATERIALS: No hazardous materials present.

3. IDENTIFICATION OF THE DANGERS

INHALATION NONE KNOWN

SKIN: NONE KNOWN

EYES: NONE KNOWN

INTAKE: NONE KNOWN

4. FIRST AID MEASURES

INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

SKIN: WASH AFFECTED AREAS WITH COPIOUS AMOUNTS OF WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

EYES: FLUSH EYES WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INTAKE: SEEK MEDICAL ATTENTION.

BURNS: SEEK MEDICAL ATTENTION.

5. MEASURES IN CASE OF FIRE

EXTINGUISHING MEDIA:

WATER: Yes

FOAM: Yes

CO2: Yes

DRY CHEMICAL: Yes

UNUSUAL HAZARDS: None known.

SPECIAL PROCEDURES: Wear SCBA.

LEL: ND

UEL: ND

6. MEASURES IN CASE OF ACCIDENTAL LEAK

SPILL PROCEDURES: Dike spills. Neutralize with sodium carbonate or equivalent to pH of 6-8.

7. HANDLING AND STOCKING

HANDLING PROCEDURES: No special handling or storage conditions are required.

INCOMPATIBILITY: Strong oxidizers.

8. CONTROL TO EXPOSURE / INDIVIDUAL PROTECTION

VENTILATION: Local.

RESPIRATORY PROTECTION: Recommended when mists are expected.

EYE PROTECTION: Recommended.

GLOVES: Not required.

OTHER PROTECTION: Lab coat.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: LIQUID

pH: 3.5-4.2

COLOR: COLORLESS TO LIGHT YELLOW

ODOR: CHARACTERISTIC

CHANGE IN PHYSICAL STATE: ND

VISCOSITY: WATER-LIKE

SOLUBILITY: WATER: COMPLETE

DENSITY: 1.035 g/cc

BULK DENSITY: ND

FLASH POINT: NONE

IGNITION: ND

EXPLOSION LIMITS: ND

VAPOR PRESSURE: Negligible.

10. STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCT CO_x.

HAZARDOUS POLYMERIZATION: WILL OCCUR:

WILL NOT OCCUR: XX

11. TOXICOLOGICAL INFORMATION

TLV: Not Determined.

PEL: Not Determined.

EFFECTS OF OVEREXPOSURE: No known effects.

TOXICITY: Not considered toxic.

CARCINOGEN STATUS: NOT LISTED AS A CARCINOGEN

12. ECOLOGICAL INFORMATION

DEGRADATION: ND

AQUATIC TOXICITY: ND

13. CONSIDERATION ON DISPOSAL

DISPOSAL PROCEDURES: Consult local, state and federal regulatory agencies for proper disposal.

14. TRANSPORT INFORMATION

GGVSee/IMDG CODE:: ND

UN No: ND

GGVE/GGVS: ND

ICAO/IATA-DGR: ND

RID/ADR: ND

ADNR: ND

DOT CLASSIFICATION: Not Regulated.

HAZARDOUS MATERIAL ID: None.

15. INFORMATION ON CURRENT REGULATIONS

HAZARD SYMBOL: ND

R-PHRASES: ND

S-PHRASES: ND

HMIS RATING:	Health:	0	<u>HMIS RATINGS:</u>	
	Flammability:	0	0 - MINIMAL	3 - SERIOUS
	Reactivity:	0	1 - SLIGHT	4 - SEVERE
			2 - MODERATE	

16. OTHER INFORMATION

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LEGEND:

ND - NOT DETERMINED
NA - NOT APPLICABLE