

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**U.S. Department of Labor**  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



IDENTITY (As Used on Label and List)  
MDR-635 Waterline Stain Remover

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name  
**Marine Development & Research**

Emergency Telephone Number  
**973-754-7087**

Address (Number, Street, City, State, and ZIP Code)  
**515 East 41st Street**

Telephone Number for Information  
**973-754-7087**

**Paterson, NJ 07504**

Date Prepared  
**June 14, 2013**

Signature of Preparer (optional)

**Section II — Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Oxalic Acid (CAS# 144-62-7)	1 mg/m <sup>3</sup> Air	1 m/m <sup>3</sup> Air	500 mg/m <sup>3</sup> 1 DLH	

**Section III — Physical/Chemical Characteristics**

Boiling Point	212°F	Specific Gravity (H <sub>2</sub> O = 1)	1.01
Vapor Pressure (mm Hg.)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	< 1

Solubility in Water  
Soluble

Appearance and Odor  
Clear liquid with mild odor

**Section IV — Fire and Explosion Hazard Data**

Flash Point (Method Used)	NA	Flammable Limits	NA	LEL	UEL
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Extinguishing Media  
NA

Special Fire Fighting Procedures  
NA

Unusual Fire and Explosion Hazards  
None

NA = Not Applicable

Stability	Unstable		Conditions to Avoid Temperatures above 180° - 205°F
	Stable	X	

## Incompatibility (Materials to Avoid)

Furfuryl Alcohol, Silver, Sodium Chlorate, Sodium Hypochlorite, any strong oxidizer

## Hazardous Decomposition or Byproducts

Formic acid, carbon monoxide, carbon dioxide

Hazardous Polymerization	May Occur		Conditions to Avoid Temperatures above 180°-205°F
	Will Not Occur	X	

## Section VI — Health Hazard Data

Route(s) of Entry:                      Inhalation?                      Skin?                      Ingestion?                      Yes                      Yes

No                      Yes                      Yes

## Health Hazards (Acute and Chronic)

Toxic by ingestion. Strong irritant.

Carcinogenicity:                      NTP?                      No                      IARC Monographs?                      No                      OSHA Regulated?                      No

## Signs and Symptoms of Exposure

Ingestion: Corrosion of mouth, esophagus, and stomach with symptoms of vomiting, burning and abdominal pain. Skin: Can cause dermatitis.

## Medical Conditions

Generally Aggravated by Exposure Pre-existing skin conditions.

## Emergency and First Aid Procedures

Eyes: Flush with large qtls of water for 15 minutes. Seek medical attention. Skin: Flush with large qtls of water. Ingestion: Seek IMMEDIATE medical attention.

## Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled Neutralize with soda ash. Absorb with suitable absorbent.

Waste Disposal Method Consult with Federal, State and local regulations. If regulations permit, small quantities may be neutralized with soda ash and flushed to sewer.

Precautions to Be Taken in Handling and Storing Store in cool place out of reach of children. Wash hands thoroughly after handling. Keep container closed when not in use. Do not transfer to unmarked container.

Other Precautions

## Section VIII — Control Measures

## Respiratory Protection (Specify Type)

Not required if used according to directions.

Ventilation	Local Exhaust	X	Special
	Mechanical (General)		Other

Protective Gloves Plastic or rubber gloves                      Eye Protection chemical safety goggles

Other Protective Clothing or Equipment Chemical aprons

## Work/Hygienic Practices

Wash hands thoroughly after handling.