

# 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-220 & MDR-221 RUST AWAY

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

1-800-535-5053

Address (Number, Street, City, State, and ZIP Code)

515 East 41st Street

Telephone Number for Information

973-754-7087

Paterson, NJ 07504

Date Prepared

April 17, 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)
Phosphoric Acid (CAS# 7664-38-2)	1 mg/M <sup>3</sup>	1 mg/M <sup>3</sup>	3 mg/M <sup>3</sup> STEL	

DOT Shipping Info: Corrosive Liquid NOS (Phosphoric Acid), 8, UN1760, PGIII

ERG 154  
Class 85

### Section III — Physical/Chemical Characteristics

NA = Not Applicable

Boiling Point	191°F	Specific Gravity (H <sub>2</sub> O = 1)	1.12
Vapor Pressure (mm Hg.)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	Less than 1
Solubility in Water	Complete		

Appearance and Odor

Light blue liquid with slight odor

### Section IV — Fire and Explosion Hazard Data

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

Not combustible. Use agents appropriate for materials in surrounding area.

Special Fire Fighting Procedures

Use air supplied breathing equipment for enclosed areas. Cool exposed containers with water spray.

Unusual Fire and Explosion Hazards

Do not store or mix with strong oxidizing agents.

## Section V — Reactivity Data

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Stability	Unstable		Conditions to Avoid	Do not mix with strong oxidizing agents.
	Stable	X		

Incompatibility (Materials to Avoid)

Strong oxidizing agents

Hazardous Decomposition or Byproducts  
NA

Hazardous Polymerization	May Occur		Conditions to Avoid	Do not mix with strong oxidizing agents.
	Will Not Occur	X		

## Section VI — Health Hazard Data

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

Health Hazards (Acute and Chronic)

Strongly irritating and corrosive to the eyes, skin, respiratory and digestive tracts.

Carcinogenicity:	NTP? None	IARC Monographs?	OSHA Regulated?
		None	None

Signs and Symptoms of Exposure

Irritating to skin. Ingestion may cause irritation and burns to mouth, throat, digestive tract.

Medical Conditions

Generally Aggravated by Exposure Pre-existing skin conditions.

Emergency and First Aid Procedures

EYES: Flush immediately with water. INGESTION: Give large quantities of water or milk if available. SKIN: Flush thoroughly with water. In all cases, Seek Medical Attention.

## Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Soak up with sand, earth or absorbent. Place in lined steel container. Neutralize with Soda Ash. Flush away residue with large quantities of water.

Waste Disposal Method

Dispose of in accordance with Federal, State and Local regulations.

Precautions to Be Taken in Handling and Storing

Store away from heat and keep separate from strong alkalis. Wear protective equipment during handling.

Other Precautions

Keep separate from strong oxidizing agents.

## Section VIII — Control Measures

Respiratory Protection (Specify Type)

None

Ventilation	Local Exhaust	X	Special
	Mechanical (General)		Other

Protective Gloves	Rubber gloves	Eye Protection	Protective Goggles
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Other Protective Clothing or Equipment	Rubber apron
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Work/Hygienic Practices

Wash hands/skin thoroughly with soap and water after handling product.