# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

### SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Multi-Clean H.D. MAC

Product Class: Mild acid cleaner Emergency Telephone Number: 800-255-3924 Telephone Number for Information: 651-481-1900

Manufacturer's Name and Address:

Multi-Clean®, A Division of Minuteman International, Inc.

600 Cardigan Road Shoreview, MN 55126

### SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Common Name(s) Chemical Hydroxyacetic acid 7 - 13CAS #79-14-1

В Nonylphenol ethoxylate 1 - 5 CAS #9016-45-9 Water C 60 - 100

CAS #7732-18-5

#### **SECTION III - HAZARDS IDENTIFICATION**

**Emergency Overview** 

Appearance and Odor: Blue liquid, floral odor.

Primary Hazards: Corrosive

Potential Health Hazards

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

Eye: May cause burns on contact.

Skin: May cause burns on contact. May cause burns on contact. Ingestion: May be harmful if swallowed.
Inhalation: No hazardous vapors.

Signs and Symptoms of Exposure: Irritation on direct contact. Carcinogenicity: NTP? No IARC Monographs?

OSHA Regulated? No

No

Target Organ (s): No additional data.

Medical Conditions Generally Aggravated by Exposure: N. Av.

Health Hazards, Chronic: N. Av.

# SECTION IV - FIRST AID MEASURES

**Emergency and First Aid Procedures:** 

If Swallowed: Do not induce vomiting. Drink water in large amounts and call a physiciar immediately. Never give anything by mouth to an unconscious person. Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.

Sources Used: Raw material data, general toxicology from the trade for similar products.

### SECTION V - FIRE FIGHTING MEASURES

Flammability: No Autoignition Temperature: N. Ap.

Flash Point (method used): LEL UEL

Flammable Limits: N. Ap. Extinguishing Media N. Ap.

Water? Foam? Water Fog? Alcohol Foam? CO<sub>2</sub>? Dry Chemical?

Vaporizing Liquid? Other? Special Fire Fighting Procedures: N. Ap. Unusual Fire and Explosion Hazards: N. Av. TDG Flammability Classification: Non-flammable Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

# SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled:

Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with

## SECTION VII - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storing:

Normal care in handling and storage.

Other Precautions: Keep out of reach of children. Keep from freezing.

### SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required

Ventilation: Local Exhaust: Not required Special: Not required

Mechanical (General): Normal good ventilation sufficient.

Other: Not required
Protective Gloves: Chemical resistant rubber.

Eye Protection: Approved safety goggles or glasses. Footwear: Not required

Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: Do not contaminate food or beverages with cleaning

chemicals

# SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F (100°C) pH: 1-2 Specific Gravity (H20) = 1: 1.040 % Volatile: > 80 Vapor Density (Air = 1): Odor Threshold: N. Av. Evaporation Rate (Butyl Acetate = 1): N. Av. Oil/Water Distribution Coefficient: N. Av.

Solubility in Water: Complete Vapor Pressure (MM HG): N. Av. Melting Point: N. Ap.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable:

Conditions to Avoid: N. Ap.

Incompatibility (materials to avoid): N. Av. Hazardous Decomposition or By-products: N. Av.

Hazardous Polymerization: Will not occur: X

Conditions to Avoid: N. Ap.

SECTION XI - TOXICOLOGICAL	INFORMATION
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Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50		
Α	None	None	3 ppm	1,950 mg/kg	7.7 mg/L		
				(rat, oral)	(rat, 4 hrs.)		
В	None	None	N. Av.	2,100 mg/kg	>200 mg/L		
				(rat, oral)	(rat, oral)		
С	None	None	N. Av.				

Teratogen, Mutagen, Reproductive Toxin Status: No

Toxicologically Synergistic Products: N. Av.

# SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av. Chemical Fate Information: N. Av.

# SECTION XIII - DISPOSAL CONSIDERATIONS

#### Waste Disposal Method:

Neutralize and dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewered, depending on the materials and/or contaminates being cleaned as well as state, federal and local sewer commission regulations.

RCRA Hazard Class: DOO2, Characteristic corrosive

### SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: corrosive liquid, acidic organic, N.O.S. (Containing hydroxide acid), class 8

UN Number: UN3265

Packing Group: II

# **SECTION XV - PREPARATION DATA**

Prepared By: Mike Elms

Telephone Number: 651-481-1900

Date: 9/07

# SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed. CERCLA Reportable Quality: None

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: Immediate health, chronic health

Section 313 Toxic Chemicals: None State Regulations

NOTICE STATE OF CALIFORNIA

Warning: This product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product.

International Regulations

WHMIS Controlled Product Hazard Class: E

# SECTION XVII - OTHER INFORMATION

None

N. Ap. - Not Applicable; N.Av. - Not Available

#### NFPA SYSTEM

2 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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