

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Ful-Trole 64
Product Class: Disinfectant cleaner, EPA # 10324-80-5449
Emergency Telephone Number: 800-255-3924
Telephone Number for Information: 651-481-1900
Manufacturer's Name and Address:
Multi-Clean®
600 Cardigan Road, Shoreview, MN 55126

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Quaternary Ammonium Chloride Surfactants CAS #: 68424-85-1, 32426-11-2, 5538-94-3 & 7173-51-5	5.5
B	Tetrasodium EDTA, Tetrahydrate CAS #64-02-8	1 - 5
C	Alcohol Ethoxylates CAS #34398-01-1	1 - 5
D	Sodium Metasilicate, Pentahydrate CAS #6834-92-0	0.3 - 1.0
E	Water CAS #7732-18-5	60 - 100

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Yellow Liquid, Lemon Fragrance (Lemon); Purple Liquid, Floral Fragrance (Floral); Red Liquid, Floral Fragrance (Spring Air).

Primary Hazards: Corrosive

Potential Health Hazards

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

Eye: Corrosive. May cause burns or irreversible eye damage.

Skin: May cause burns if contact occurs. May be fatal if absorbed through the skin.

Ingestion: Harmful if swallowed.

Inhalation: Harmful if inhaled.

Signs and Symptoms of Exposure: Irritation and/or burning sensation on contact.

Carcinogenicity: NTP? No IARC Monographs? No

OSHA Regulated? 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 Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **IF ON SKIN OR CLOTHING:** Take off Contaminated Clothing. Rinse skin immediately with plenty of water for 15-20 minutes. **IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice. **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for treatment advice. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

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

SECTION V - FIRE FIGHTING MEASURES

Flammability: No **Autoignition Temperature:** N. Av.

Flash Point (method used): Over 200°F

Flammable Limits: N. Av.

LEL

UEL

Extinguishing Media:

Water? X

Foam? X

Water Fog? X

Alcohol Foam?

CO₂? X

Dry Chemical? X

Vaporizing Liquid? Other?

Special Fire Fighting Procedures: Cool fire exposed containers with spray. Must wear MSHA/NIOSH approved self contained breathing apparatus.

Unusual Fire and Explosion Hazards: Explosive mixtures can form with air.

Combustion products are toxic. Solvents can travel to an ignition source and flash back.

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 water.

SECTION VII - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storing:

Do not contaminate food or water by storage or disposal. Store only in original containers. See label instructions for container disposal. Do not reuse empty container.

Other Precautions: Keep out of reach of children. Do not breathe spray mist.

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: Natural rubber or synthetic.

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

pH: 12.0 - 12.4

Specific Gravity (H₂O) = 1: 1.0

% Volatile: > 85

Vapor Density (Air = 1): N. Av.

Odor Threshold: N. Av.

Evaporation Rate (Butyl Acetate = 1): N. Av.

Oil/Water Distribution

Solubility in Water: Complete

Coefficient: N. Av.

Vapor Pressure (MM HG): N. Av.

Melting Point: N. Av.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X

Conditions to Avoid: Mixing with strong oxidizers or reducing agents.

Incompatibility (materials to avoid): Strong oxidizers or reducing agents.

Hazardous Decomposition or By-products: Toxic hydrogen chloride fumes, oxides of carbon and nitrogen.

Hazardous Polymerization: May occur: Will not occur: X

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	100 ppm	100 ppm	N. Av.	366 mg/kg (rat, oral)	N. Av.
B	N. Av.	N. Av.	N. Av.	> 2,000 mg/kg (rat, oral)	N. Av.
C	N. Av.	N. Av.	N. Av.	0.7-1.7 gm/kg (rat, oral)	N. Av.
D	N. Av.	N. Av.	2 mg/M ³	800 mg/kg (rat, oral)	N. Av.
E	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.

Product LD50: 2.72 gm/kg

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:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

RCRA Hazard Class: Regulated by FIFRA

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Disinfectant Liquid Corrosive (Quaternary Ammonium Compound), Class 8

UN Number: 1903.

Packing Group: II

SECTION XV - PREPARATION DATA

Prepared By: Mike Elms

Telephone Number: 651-481-1900

Date: 12-09

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed.

CERCLA Reportable Quality: N. Av.

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: Immediate health hazard

Section 313 Toxic Chemicals: None

State Regulations

SECTION XVII - OTHER INFORMATION

None

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

NFPA SYSTEM

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

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