

# 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	Nonylphenol Ethoxylates CAS #9016-45-9	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; Purple Liquid, Floral Fragrance; Red Liquid, Floral Fragrance.

**Primary Hazards:** Irritant

### Potential Health Hazards

**Route(s) of Entry:** Skin Absorption: Ingestion: X Inhalation:  
**Eye:** Corrosive. Severe eye damage can result from direct contact.  
**Skin:** Severe irritation.

**Ingestion:** May be fatal. Burning pain in the mouth, throat, abdomen, severe swelling of the larynx, skeletal muscle paralysis affecting the ability to breathe, circulatory shock, convulsions.

**Inhalation:** Irritation of mucous membrane can be caused by solvent vapors or mists of products.

**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:

**Ingestion:** If Swallowed drink promptly, a large quantity of egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately. Never give anything by mouth to an unconscious person. **Eye**

**Contact:** Flush eyes with running water for at least 15 minutes. Obtain medical attention. **Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

**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. Ap.

**Flash Point (method used):** Over 200°F

**Flammable Limits:** N. Ap.

LEL

UEL

**Extinguishing Media:**

Water? X

Foam? X

Water Fog? X

Alcohol Foam?

CO<sub>2</sub>? 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 (H<sub>2</sub>O) = 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. Ap.

## 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.	2,100 mg/kg (rat, oral)	> 200 mg/l (rat, 1 hr.)
D	N. Av.	N. Av.	2 mg/M <sup>3</sup>	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:** Compound Cleaning, N.O.I.

**UN Number:** N. Ap.

**Packing Group:** N. Ap.

## SECTION XV - PREPARATION DATA

**Prepared By:** Mike Elms

**Telephone Number:** 651-481-1900

**Date:** 3/02

## 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

CALIFORNIA PROPOSITION 65 – 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.

## 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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