**MATERIAL SAFETY DATA SHEET**


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**SECTION I - IDENTIFICATION**

**Identity (As Used on Label and List):** Multi-Clean Full-Trole

**Date Prepared:** 12/3/92

**Emergency Telephone Number:** 800-255-3237

**Telephone Number for Information:** 612-481-1900

**Manufacturer’s Name and Address:**

Hako Minuleman Inc., Multi-Clean Division

600 Cardigan Lane

Shoreview, MN 55126

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**SECTION II - HAZARDOUS INGREDIENTS/IDENTIFICATION INFORMATION**

**Hazardous Components (Specific Chemical Identity):**

- **Common Name:**
  - Quaternary ammonium surfactants (CAS # 68442-95-5 and 139-08-2)
  - Tetracationic ethyleneimine triacetate (CAS # 64-02-8)

**Nonionic surfactant**

**Sodium metasilicate, pentahydrate**

- **CAS #6384-62-0**

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**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

- **Boiling Point:** Approximately 212° F
- **Flash Point (method used):** None
- **Flammable Limits:** NA
- **Extinguishing Media:** NA
- **Water?**
  - Alcohol Foam? No
  - Water Mist? Yes
  - Water Fog? Yes
  - Dry Chemical?

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

- **Flash Point (method used):** None
  - **Water?**
  - Alcohol Foam? No
  - Water Mist? Yes
  - Water Fog? Yes
  - Dry Chemical?

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**SECTION V - REACTIVITY DATA**

- **Stability:** Unstable
  - **Conditions to Avoid:** Water
  - **Incompatibility (materials to avoid):**
  - **Hazardous Decomposition or By-products:** Carbon and nitrogen oxides, ammonia, hydrogen chloride.
  - **Hazardous Polymerization:** May occur:

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**SECTION VI - HEALTH HAZARD DATA**

- **Reactivity Hazard:** HTP? No
  - **Acute:** None
  - **IARC Monographs:** No

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**NOTICE OF CALIFORNIA: Warning: This product may contain chemicals known to the State of California to cause cancer or reproductive defects as defined by the California Safe Drinking Water and Toxic Enforcement Act.”**

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**NFPA SYSTEM**

- **1. Health Hazard:** 4 - DANGER: May be fatal on short exposure. Special precautions required. Avoid contact with eyes, skin, and clothing.
  - **2. Fire Hazard:** 4 - DANGER: Flammable gas or extremely flammable liquid:
  - **3. Reactivity Hazard:** HTP? No
  - **IARC Monographs:** No

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