# MATERIAL SAFETY DATA SHEET

## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Identity (As Used on Label and List):</th>
<th>8 Super-D Degreaser (Super Concentrate)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Class:</td>
<td>Water-based cleaner/degreaser</td>
</tr>
<tr>
<td>Emergency Telephone Number:</td>
<td>800-255-3924</td>
</tr>
<tr>
<td>Telephone Number for Information:</td>
<td>651-481-1900</td>
</tr>
<tr>
<td>Manufacturer’s Name and Address:</td>
<td>Multi-Clean® 600 Cardigan Road Shoreview, MN 55126</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components (Specific Chemical Identity):

<table>
<thead>
<tr>
<th>Chemical Name(s)</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Metasilicate Pentahydrate</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Sodium Citrate</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Alcohol Ethoxylate</td>
<td>3 - 7</td>
</tr>
<tr>
<td>Sodium Xylene Sulfonate</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Water</td>
<td>60 - 100</td>
</tr>
</tbody>
</table>

## SECTION III - HAZARDS IDENTIFICATION

### Emergency Overview

**Appearance and Odor:** Purple liquid, lemon odor.

**Primary Hazards:** Corrosive

**Potential Health Hazards:**

- **Route(s) of Entry:**
  - Skin: May cause chemical burns on contact.
  - Eye: May cause chemical burns on contact.
  - Inhalation: May be harmful if swallowed.

- **Inhalation:**
  - No hazardous vapors.

- **Signs and Symptoms of Exposure:**
  - Skin: May cause chemical burns on contact.
  - Eye: Possible burning, tearing, redness and corneal damage.
  - Skin Contact: Possible slippery feeling, redness, swelling and burns.

- **Carcinogenicity:**
  - **NTP?:** No
  - **IARC Monographs?:** No
  - **OSHA Regulated?:** No

- **Target Organ(s):** Skin and eyes.

- **Medical Conditions Generally Aggravated by Exposure:** N. Av.

### Health Hazards, Chronic:

- **N. Av.**

### Health Hazards, Acute:

- **N. Av.**

### Health Hazards, Other:

- **N. Av.**

## SECTION IV - FIRST AID MEASURES

### Emergency and First Aid Procedures:

- **If Swallowed:**
  - Do not induce vomiting. If person can swallow, give several glasses of water. Obtain immediate medical attention.

- **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.

- **Inhalation:**
  - Obtain immediate medical attention.

### 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):

- **None**

### Flammable Limits:

- **N. Ap.**

### LEL: UEL

### Extinguishing Media:

- **N. Ap.**

### Water:

- **Foam?** None

### Alcohol Foam:

- **CO2?** None

### Dry Chemical?

- **None**

### Vaporizing Liquid?

- **Other?** None

### 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.**

### Steps to be Taken in Case Material is Released or Spilled (continued):

- **Collect spill with mop, contain spill with inert material (sand, earth, etc.).**

### Steps to be Taken in Case Material is Released or Spilled (continued):

- **Dike and contain spill with inert material (sand, earth, etc.).**

### Steps to be Taken in Case Material is Released or Spilled (continued):

- **Collect spill with mop.**

### Waste Disposal Method:

- **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 contaminants being cleaned as well as state, federal and local sewer commission regulations.**

### Waste Disposal Method (continued):

- **RCRA Hazard Class:** DD02, characteristic corrosive.

## 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/PERSOAL PROTECTION

### Respiratory Protection (Specify Types):

- **Not required**

### Ventilation:

- **Local Exhaust:** 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**

### Specific Gravity (H20 = 1):

- **1.08**

### Vapor Density (Air = 1):

- **< 1**

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

### Oil/Water Distribution:

- **Complete**

### Solubility in Water:

- **Coefficient:** N. Av.

### Vapor Pressure (MM HG):

- **N. Av.**

### Melting Point:

- **N. Ap.**

## SECTION X - STABILITY AND REACTIVITY

### Stability:

- **Unstable**

### Conditions to Avoid:

- **N. Ap.**

### Incompatibility (materials to avoid):

- **N. Av.**

### Hazardous Decomposition or By-products:

- **N. Av.**

### Hazardous Polymerization:

- **May occur:** Will not occur

### Conditions to Avoid:

- **N. Ap.**

## SECTION XI - TOXICOLOGICAL INFORMATION

### Chemical:

- **8 Super-D Degreaser**

### OSHA PEL:

- **A**

### ACGIH TLV:

- **N. Av.**

### LD50:

- **N. Av.**

### LC50:

- **N. Av.**

### NTP?:

- **No**

### Carcinogenicity:

- **N. Av.**

### OSHA Regulated?:

- **No**

### IARC Monographs?:

- **No**

### Toxicologically Synergistic Products:

- **N. Av.**

## SECTION XII - ECOLOGICAL INFORMATION

### Ecotoxicology:

- **N. Av.**

### Biodegradation Properties:

- **N. Av.**

## SECTION XIII - DISPOSAL CONSIDERATIONS

### Waste Disposal Method:

- **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 contaminants being cleaned as well as state, federal and local sewer commission regulations.**

### RCRA Hazard Class:

- **DD02, characteristic corrosive.**

## SECTION XIV - TRANSPORT INFORMATION

### Shipping Classification:

- **Corrosive liquid, basic inorganic, N.O.S. (Containing Sodium Metasilicate), class 8**

### Shipping Name:

- **DOO2, characteristic corrosive.**

### UN Number:

- **3266**

### Packing Group:

- **II**

## SECTION XV - PREPARATION DATA

### Prepared By:

- **Ron Camp**

### Date:

- **4-12**

## SECTION XVI - REGULATORY INFORMATION

### US Federal Regulations:

- **All ingredients listed.**

### CERCLA Reportable Quantity:

- **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:

- **International Regulations:**

### WHMIS Controlled Product Hazard Class:

- **E**

## SECTION XVII - OTHER INFORMATION

- **None**

### NFPA SYSTEM

- **A. Health Hazard**

### THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. MINUTEMAN INTERNATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.