

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

**SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION**  
**Identity (As Used on Label and List):** 8 Super-D Degreaser (Super Concentrate)  
**Product Class:** Water-based cleaner/degreaser  
**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	Sodium Metasilicate Pentahydrate CAS #6834-92-0	5 - 10
B	Sodium Citrate CAS #68-04-2	1 - 5
C	Alcohol Ethoxylate CAS #34398-01-1	3 - 7
D	Sodium Xylene Sulfonate CAS #1300-72-7	1 - 5
E	Water CAS #7732-18-5	60 - 100

**SECTION III - HAZARDS IDENTIFICATION**  
**Emergency Overview**  
**Appearance and Odor:** Purple liquid, lemon odor.  
**Primary Hazards:** Corrosive  
**Potential Health Hazards**  
**Route(s) of Entry:** Skin Absorption: Ingestion: X Inhalation:  
**Eye:** May cause chemical burns on contact.  
**Skin:** May cause chemical burns on contact.  
**Ingestion:** May be harmful if swallowed.  
**Inhalation:** No hazardous vapors.  
**Signs and Symptoms of Exposure:** Eye Contact: Possible burning, tearing, redness and corneal damage. Skin Contact: Possible slippery feeling, redness, swelling and burns. Symptoms may be delayed.  
**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.

**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.  
**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? 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 water.

**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:** 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:** > 13  
**Specific Gravity (H<sub>2</sub>O) = 1:** 1.08 **% Volatile:** 60 - 100  
**Vapor Density (Air = 1):** < 1 **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:** N. Ap.  
**Incompatibility (materials to avoid):** N. Av.  
**Hazardous Decomposition or By-products:** N. Av.  
**Hazardous Polymerization:** May occur: Will not occur: X  
**Conditions to Avoid:** N. Ap.

**SECTION XI - TOXICOLOGICAL INFORMATION**

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Ap.	N. Ap.	2 mg/M <sub>3</sub>	800 mg/kg	N. Av.
B	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.
C	None	None	N. Av.	0.7 to 1.7 gm/kg (rat, oral)	N. Av.
D	None	None	N. Av.	4,000 mg/kg (rat, oral)	N. Av.
E	None	None	N. Av.	N. Av.	N. Av.

**Teratogen, Mutagen, Reproductive Toxin Status:** No  
**Toxicologically Synergistic Products:** N. Av.

**SECTION XII - ECOLOGICAL INFORMATION**  
**Ecotoxicological Information:** 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 sewerred, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.  
**RCRA Hazard Class:** D002, characteristic corrosive.

**SECTION XIV - TRANSPORT INFORMATION**  
**Shipping Classification:** Corrosive liquid, basic inorganic, N.O.S. (Containing Sodium Metasilicate), class 8  
**UN Number:** 3266  
**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**  
**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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