

**MATERIAL SAFETY DATA SHEET**  
 COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29CFR 1910.1200)

**SECTION I - PRODUCT IDENTIFICATION**

<b>PRODUCT NAME:</b> UNI-10 <b>PRODUCT NUMBER:</b> 510 <b>PRODUCT TYPE:</b> AEROSOL <b>SUPPLIER'S NAME:</b> CHEMPACE CORPORATION <b>SUPPLIER'S ADDRESS:</b> 45 BURBANK TOLEDO, OH 43609 <b>D.O.T. HAZARD CLASS:</b> OHM-D	<b>Chemical Family:</b> N/A <b>Formula:</b> Proprietary <b>Date Prepared:</b> 6/16/94 <b>Emergency Phone:</b> 419/535-0101 <b>Information Phone:</b> 419/535-0101	<b>HMS RATING:</b> (Based on Aerosol Concentrate): 0-Minimal; 1-Slight; 2-Moderate; 3-Serious; 4-Extreme  <b>HEALTH:</b> ..... 1 <b>FIRE:</b> ..... 1 <b>REACTIVITY:</b> ..... 1 <b>PERSONAL PROTECTION:</b> ..... B
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**SECTION II - INGREDIENTS**

CHEMICAL NAME	CAS NO.	% WT	313/CHEM	PEL	SKIN	TWA-TLV	CARCINOGEN
1,1,1, Trichloroethane	71-55-6	80-100	YES	350 ppm	NO	350 ppm	NO
Isopropyl Alcohol	67-63-0	05-10	NO	400 ppm	NO	400 ppm	NO
Carbon Dioxide Propellant	124-38-9	01-05	NO	10000 ppm	NO	10000 ppm	NO

**SECTION III - PHYSICAL DATA**

DATA BELOW BASED ON AEROSOL CONCENTRATE ONLY:

Boiling Point: 162-190°F.  
 Vapor Density (Air=1): >1  
 Solubility in Water: Slight  
 pH: N/A  
 Specific Gravity (H<sub>2</sub>O = 1) @ 75°F: 1.130

DATA BELOW BASED ON TOTAL CONTENTS:

Vapor Pressure of Can (psig @ 70°F): 90  
 Appearance/Odor : Clear Colorless Liquid, Mild Sweet Odor

**SECTION IV - FIRE AND EXPLOSION DATA**

Flash Point (OF CONCENTRATE ONLY): None to Boiling (190°F)  
 Flammability as per USA Flame Projection Test: Non-Flammable Spray  
 Extinguishing Media: Foam, CO<sub>2</sub>, Dry Media

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

Unusual Fire and Explosion Hazards: Exposure to temperatures above 120°F may cause bursting.

**SECTION V- REACTIVITY DATA**

Stability: Stable  
 Hazardous Polymerization: Will Not Occur  
 Incompatibility: Avoid contact with strong oxidizing agents, aluminum and reactive metals.  
 Hazardous Decomposition Products: Hydrogen Chloride, Phosgene.

**SECTION VI - STORAGE AND HANDLING**

**KEEP OUT OF THE REACH OF CHILDREN**  
 For Industrial & Institutional Use Only.  
 Store in a cool, dry area away from heat or open flame.  
 Do not store at temperatures above 120°F.  
 NFPA Code 30B Rating: Level 1 Aerosol

**SECTION VII - HEALTH AND FIRST AID**

**PRIMARY ROUTES OF ENTRY & EFFECTS OF OVER EXPOSURE**

**EYES:** May cause slight irritation but does not injure eye tissue.  
**SKIN:** Frequent or prolonged contact may cause irritation  
**INHALATION:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea, and other central nervous system effects  
**INGESTION:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis. Minimal toxicity.

**FIRST AID PROCEDURES**

**EYES:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.  
**SKIN:** Wash with soap and water. If irritation persists seek medical attention.  
**INHALATION:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.  
**INGESTION:** Do not induce vomiting. Seek medical attention immediately.

**SECTION VIII - SPECIAL PROTECTION DATA**

**RESPIRATORY PROTECTION:** None needed for proper use in accordance with label directions.  
**VENTILATION:** Provide local exhaust to keep TLV of Section II ingredients below acceptable limits.  
**PROTECTIVE GLOVES:** None needed for proper use in accordance with label directions. Use chemical resistant gloves if hand contact will be made.  
**EYE PROTECTION:** None needed unless it is anticipated that a splash or sprayback will occur, then wear safety glasses.

**SECTION IX - SPILL OR LEAK PRECAUTIONS**

**STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:**  
 Allow propellant to evaporate.  
 Maintain local exhaust and adequate ventilation.  
 No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State and local laws.  
**WASTE DISPOSAL METHOD:**  
 Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.

N/A=NOT APPLICABLE    N/E=NOT ESTABLISHED    N/D=NOT DETERMINED    <=LESS THAN    >=MORE THAN

**NOTICE:** The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.

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