

# MSDS Material Safety Data Sheet

Wechem, Inc.



Force 100

MSDS Number: A95E

Revision Date: 10/20/09

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## 1 PRODUCT AND COMPANY IDENTIFICATION

### Manufacturer

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## 2 HAZARDS IDENTIFICATION

**Route of Entry:** Inhalation, eye, ingestion, skin absorption  
**Target Organs:** NA  
**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, headache, unconsciousness and other central nervous system effects, and even death. Long term exposure may cause liver or kidney injury.  
**Skin Contact:** Frequent or prolonged contact may cause irritation and possibly dermatitis. May aggravate existing skin conditions.  
**Eye Contact:** Causes severe irritation, redness, tearing and blurred vision.  
**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting, diarrhea. Aspiration into lungs can cause chemical pneumonitis and pulmonary edema.

HMIS II-ratings (scale 0-4): Health = 2, Fire = 0, Reactivity = 1  
HMIS III-ratings (scale 0-4): Health = 2, Fire = 0, Physical Hazard = 1  
NFPA-ratings (scale 0-4): Health = 2, Fire = 0, Reactivity = 1

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
79016	Trichloroethylene	90-100	100	10	B,C
124389	Carbon Dioxide	1-10	10,000	10,000	D
106887	Butylene Oxide	< 0.5	NA	2*	C

\* Recommended Workplace Environmental Exposure Level (WEEL)



## 4 FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Resuscitate if necessary. Get medical attention.  
**Skin Contact:** Wash with soap and water. If irritated, seek medical attention.  
**Eye Contact:** Flush with water for 15 minutes. If irritated, seek medical attention.  
**Ingestion:** Do not induce vomiting. Get immediate medical attention.

## 5 FIRE FIGHTING MEASURES

**Flash Point:** None to boiling  
**Flash Point Method:** NA  
**Burning Rate:** ND  
**Autoignition Temperature:** ND  
**LEL:** ND  
**UEL:** ND  
**Flammability Classification:** Per USA Flame Projection Test: Non-Flammable Spray

Extinguishing media: Foam, dry media, CO2

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

Unusual Fire & Explosion Hazard: Exposure to temperatures above 120 Deg. F. may cause bursting.

## 6 ACCIDENTAL RELEASE MEASURES

Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources, and open flame 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.

## 7 HANDLING AND STORAGE

**Handling Precautions:** Store in a cool, dry area away from heat or open flame. Do not store at temperatures above 120 Deg. F.  
For industrial and institutional use only.  
**Storage Requirements:** Store in a cool, dry area away from heat or open flame. Do not store at temperatures above 120 Deg. F. Keep out of reach of children.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Ventilation Requirement: Local exhaust to keep vapor concentration below TLV.  
**Protective Equipment:** HMIS PP, G | Goggles, Gloves, Vapor Respirator  
Respiratory Protection: None needed for proper use in accordance with label directions.  
Protective gloves: Chemical Resistant.  
Eye protection: Safety glasses/ chemical splash goggles  
**Exposure Guidelines/Other:** Hygienic work practices: Wash with soap and water before handling food.



## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	(Concentrate): Clear, colorless liquid	<b>Boiling Point:</b>	~187 Deg. F.
<b>Physical State:</b>	Liquid	<b>Freezing/Melting Pt.:</b>	NA
<b>Odor:</b>	Ether-like	<b>Solubility:</b>	Negligible
<b>pH:</b>	NA	<b>Spec Grav./Density:</b>	(H2O=1): @ 75 Deg. F.: 1.465
<b>Vapor Pressure:</b>	Can psig @ 70 Deg. F: 90		
<b>Vapor Density:</b>	(Air=1): 4.54		
<b>Heat Value:</b>	NA		
<b>VOC:</b>	97%		
<b>Evap. Rate:</b>	NA		
<b>Bulk Density:</b>	NA		
<b>Octanol:</b>	NA		
<b>Molecular Weight:</b>	NA		
<b>Particle Size:</b>	NA		
<b>Softening Point:</b>	NA		
<b>Viscosity:</b>	NA		
<b>Percent Volatile:</b>	NA		
<b>Sat. Vap. Concentrat.:</b>	NA		
<b>Molecular Formula:</b>	NA		

## 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	Contact with incompatible materials, heat
<b>Materials to avoid (incompatibility):</b>	Strong oxidizing agents
<b>Hazardous Decomposition products:</b>	Carbon dioxide, carbon monoxide, hydrogen chloride. Small amount of phosgene.
<b>Hazardous Polymerization:</b>	Will not occur

## 11 TOXICOLOGICAL INFORMATION

NA

## 12 ECOLOGICAL INFORMATION

Releases of this product to the environment are regulated by federal and state environmental laws. Use only in accordance with label directions.

## 13 DISPOSAL CONSIDERATIONS

Aerosol cans, when vented to atmospheric pressure through normal use, pose no disposal threat. Dispose of properly according to local, state, or federal regulations.



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## 14 TRANSPORT INFORMATION

Proper Shipping Name: Consumer Commodity, ORM-D

## 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

\*Trichloroethylene (79016 90-100%) CERCLA, CSWHS, EPCRAWPC, HAP, HWRCRA, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TXAIR, TXHWL

\*Carbon dioxide (124389 01-10%) MASS, OSHAWAC, PA, TXAIR

\*1,2 Butylene Oxide<sup>3</sup> (106887 <0.5 %) CERCLA, HAP, MASS, NJHS, PA, SaRA 313, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance  
CSWHS = Clean water Act Hazardous substances  
EPCRAWPC = EPCRA Water Priority Chemicals  
HAP = Hazardous Air Pollutants  
HWRCRA = RCRA Hazardous Wastes  
MASS = MA Massachusetts Hazardous Substances List  
NJHS = NJ Right-to-Know Hazardous Substances  
OSHA = OSHA workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
PRIPOL = Clean water Act Priority Pollutants  
PROP65 = CA Prop 65  
SARA313 = SARA 313 Title III Toxic Chemicals  
TOXICPOL = Clean water Act Toxic Pollutants  
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)  
TXAIR = TX Air Contaminants with Health Effects Screening Level  
TXHWL = TX Hazardous waste List  
NRC = Nationally Recognized Carcinogens

## 16 OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. \*\* Chemical listed as carcinogen or potential carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal Data only  
N/A = Not available N/D = Not determined

END OF MSDS DOCUMENT