

MSDS *Material Safety Data Sheet*

Wechem, Inc.

Circuit Wash

MSDS Number: A280H

Revision Date: 05/28/09

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Distributed By: Wechem, Inc
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2 HAZARDS IDENTIFICATION

Route of Entry: Inhalation, skin absorption

Target Organs:

Inhalation: Excessive inhalation of vapors can cause central nervous system depression, dizziness, weakness, confusion, incoordination or unconsciousness. Irregular heart beat with a strange sensation in the chest, heart thumping, apprehension, lightheadedness, feeling of fainting, dizziness, weakness may progress to loss of consciousness and death. Suffocation if air is displaced by vapors.

Skin Contact: Slight irritation with itching, redness, or swelling. Prolonged exposure may result in defatting of the skin. Overexposure to vapors may cause frostbite.

Eye Contact: Irritation with tearing, pain, or blurred vision. "Frostbite-like" effects may occur if vapors contact eyes.

Ingestion: Aspiration which may cause "chemical pneumonia". Symptoms include coughing, gasping, choking, shortness of breath, bluish, discoloration of skin, rapid breathing and heart rate, and fever.

HMIS II-ratings (scale 0-4): Health = 1, Fire = 1, Reactivity = 0

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

NFPA-ratings (scale 0-4): Health = 1, Fire = 0, Reactivity = 1

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Perc.	Chemical Name	OSHA PEL (ppm)	ACGIH TLV(PPM)	Carcin. Ref.
811972	20-40	1,1,1,2- Tetraflouroethane	NA	1000*	D
422560	60-70	3,3- Dichloro-1,1,1,2,2,- Pentafluoropropane	NA	50*	D
507551	1-10	1,3- Dichloro- 1,1,2,2,3- pentafluoropropane	NA	400*	D

*AEL / TWA - Acceptance Exposure Level (8 hr TWA) by manufacturer

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. Drink two large glasses of water. Get immediate medical attention.

5 FIRE FIGHTING MEASURES

Flash Point:	None
Flash Point Method:	TCC
Burning Rate:	ND
Autoignition Temperature:	ND
LEL:	ND
UEL:	ND
Flammability Classification:	(per USA Flame Projection Test): Non flammable Spray

Extinguishing media: Foam, dry chemical, carbon dioxide

Special Fire fighting procedures: Wear self-contained breathing apparatus.

Unusual Fire & Explosion Hazard: Do not expose aerosols to temperatures above 120 Deg. F. or the container may rupture.

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 according to local, state, or federal regulations. Do not flush to sewer.

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7 HANDLING AND STORAGE

Handling Precautions: Do not puncture or incinerate containers. Do not store at temperatures above 130 Deg. F. For industrial and institutional use only.

Storage Requirements: Do not puncture or incinerate containers. Do not store at temperatures above 120 Deg. F. Keep out of reach of children.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation Requirement: Adequate ventilation to keep vapor concentration below TLV

Protective Equipment: HMIS PP, B | Goggles, Gloves
Respiratory Protection: None needed for proper use in accordance with label directions. If vapor concentration exceeds TLV, use respirator approved by NIOSH for organic vapor.
Protective gloves: Chemical resistant, preferably neoprene.
Eye protection: Chemical resistant safety glasses/ goggles

Exposure Guidelines/Other: Hygienic work practices: Wash with soap and water before handling food.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless liquid	Boiling Point:	~ 124 Deg. F.
Physical State:	Liquid	Freezing/Melting Pt.:	NA
Odor:	Faint, ether-like	Solubility:	0.04% @ 25 Deg. F.
pH:	NA	Spec Grav./Density:	(H2O=1); Conc= 1.55 +@77 Deg F
Vapor Pressure:	(Can PSIG @ 70 Deg. F): 55		
Vapor Density:	(Air=1) : 7.0 @ 77 Deg. F.		
Heat Value:	NA		
VOC:	0		
Evap. Rate:	NA		
Bulk Density:	NA		
Octanol:	NA		
Molecular Weight:	NA		
Particle Size:	NA		
Softening Point:	NA		
Viscosity:	NA		
Percent Volatile:	NA		
Sat. Vap. Concentrat.:	NA		
Molecular Formula:	NA		

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10 STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	Open flame, glowing metal surfaces, welding arcs, heat, sparks
Materials to avoid (incompatibility):	Alkali or alkaline earth metals, powdered Al, Zn, Be, etc.
Hazardous Decomposition products:	Carbon dioxide, carbon monoxide, hydrochloric acid, hydrofluoric acid, carbonyl halides
Hazardous Polymerization:	Will not occur

11 TOXICOLOGICAL INFORMATION

NA

12 ECOLOGICAL INFORMATION

NA

13 DISPOSAL CONSIDERATIONS

Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Dispose of according to local, state, or federal regulations.

14 TRANSPORT INFORMATION

Proper Shipping Name: Consumer Commodity, ORM-D

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*3,3- Dichloro-1,1,1,2,2,- Pentafluoropropane (422560 60-70%) SARA313

*1,3- Dichloro- 1,1,2,2,3- Pentafluoropropane (507551 1-10%) SARA313

REGULATORY KEY DESCRIPTIONS

SARA313 = SARA 313 Title III Toxic Chemicals

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

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END OF MSDS DOCUMENT