

MSDS Material Safety Data Sheet

Wechem, Inc.



Phaser

MSDS Number: A97D

Revision Date: 01/04/11

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

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Product Name: Phaser
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Product Code: A97

2 HAZARDS IDENTIFICATION

Route of Entry: Inhalation, skin absorption, eye
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, irregular heartbeat and other central nervous system effects.
Skin Contact: May cause irritation with redness, itching and burning. Frequent or prolonged contact can result in defatting and drying of skin leading to dermatitis.
Eye Contact: May cause irritation, stinging, redness, tearing, blurred vision and frostbite.
Ingestion: May be harmful if swallowed. Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause pulmonary injury

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

HMIS® Rating H*1/F1/PH1

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



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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcin. Ref.
156605	trans-1,2-Dichloroethylene	35-45	NA	200	D
406586	1,1,1,3,3-Pentafluorobutane	1-10	NA	NA	D
138495428	1,1,1,2,2,3,4,5,5,5-Decafluoropentane	1-10	NA	200*	D
811972	1,1,1,2-Tetrafluoroethane	50-60	NA	NA	D

*Acceptable Exposure Limit (AEL) established by the manufacturer

4 FIRST AID MEASURES

Inhalation:	Remove to fresh air. Resuscitate if necessary. Seek 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 medical attention.

5 FIRE FIGHTING MEASURES

Flash Point:	None*
Flash Point Method:	NA
Burning Rate:	ND
Autoignition Temperature:	ND
LEL:	ND
UEL:	ND
Flammability Classification:	(As per CSMA Flame Projection Test): Non flammable spray

Extinguishing media: Carbon dioxide, foam, dry media

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

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

*Note on Flammability: This product does not have a flashpoint and is not a flammable aerosol spray (16CFR1500.3), however; it may be able to burn under certain conditions.

6 ACCIDENTAL RELEASE MEASURES

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 material in accordance with Federal, State and local regulations.



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7 HANDLING AND STORAGE

Handling Precautions: Store in a cool, dry area away from sparks, flame and other sources of ignition. Do not store at temperatures above 120 Deg F. Avoid contact with skin and clothing. Avoid breathing of vapors or spray mist. Avoid contamination of food or feedstuffs. Wash contaminated skin promptly with soap and warm water
KEEP OUT OF REACH OF CHILDREN
For industrial and institutional use only.

Storage Requirements: Store in a cool, dry area away from sparks, flame and other sources of ignition. Do not store at temperatures above 120 Deg F. Contents under pressure. Do not puncture or incinerate container.
KEEP OUT OF REACH OF CHILDREN.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation Requirement: Local exhaust to keep TLV below acceptable limit

Protective Equipment: HMIS PP, B | Goggles, Gloves
Respiratory Protection: None needed for proper use in accordance with label directions. If ventilation is not adequate to reduce vapors below established exposure limits, use NIOSH/MSHA approved respirator with organic vapor cartridge.
Protective gloves: Chemical resistant
Eye protection: 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 lliquid	Boiling Point:	~ 110 Deg. F.
Physical State:	(Concentrate): Liquid	Freezing/Melting Pt.:	NA
Odor:	Solvent	Solubility:	Insoluble
pH:	NA	Spec Grav./Density:	(H2O=1): 1.254 @70 Deg F
Vapor Pressure:	(Can, psig @72 Deg F): 70		
Vapor Density:	(Air=1): >1		
Heat Value:	NA		
VOC:	< 50 %		
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:	Contact with incompatible materials, heat.
Materials to avoid (incompatibility):	Strong oxidizing agents, steam, alkali or alkaline earth metals, strong bases.
Hazardous Decomposition products:	Carbon dioxide, carbon monoxide, formaldehyde, halogens, hydrochloric acid, hydrofluoric acid and small amounts of carbonyl halides such as Phosgene and Fluorophosgene.
Hazardous Polymerization:	Will not occur

11 TOXICOLOGICAL INFORMATION

NA

12 ECOLOGICAL INFORMATION

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

13 DISPOSAL CONSIDERATIONS

Aerosol cans, when vented 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



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15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Ethene, 1,2-dichloro-, (e)- (156605 35-45%) CERCLA, MASS, PA, PRIPOL, TOXICRCRA, TSCA, TXHWL

*Butane, 1,1,1,3,3-pentafluoro- (406586 1-10%) TSCA

*Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro- (138495428 1-10%) TSCA

*1,1,1,2- Tetraflouroethane (811972 50-60%) TSCA

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
MASS = MA Massachusetts Hazardous Substances List
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TXHWL = TX Hazardous Waste List

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