

Safety Data Sheet

1. Product and Company Identification

Product Name : PLUMASOL
Catalog Number : PS-100
Company Information : PREMIER Lab Supply, Inc.
 691 NW Enterprise Drive
 Port St Lucie, FL 34986 USA
Date Issued : January 2020
Emergency Phone Number : 772-873-1700
Business Phone Number : 772-873-1700
Fax Number : 772-873-1800

2. Hazard Identification

Emergency Overview:

Hazard Classification:

Category 3 : Acute aquatic toxicity
 Category 3 : Chronic aquatic toxicity

Safety Label Elements

Pictogram : none

Signal Word : none

Hazard Statements

H412 : Harmful to aquatic life with long lasting effects

Precautionary Statements

P273 : Avoid release to the environment
 P501 : Dispose of contents/ container to an approved waste disposal plant.

3. Composition/Information on Ingredients

Ingredients	CAS Number	EC Number	Weight Percent
2H, 3H - Perfluoropentane	138495-42-8	-	-

4. First Aid Measures

General Advice: Seek immediate medical advice with the copy of the label and MSDS. Move out of dangerous area.

After Inhalation: Supply fresh air. If required, provide artificial respiration. Seek immediate medical advice.

After Skin Contact: Wash with soap and water and rinse thoroughly. Seek immediate medical advice.

After Eye Contact: Rinse opened eye for at least 15 minutes under running water. Seek immediate medical advice.

After Swallowing: Do not induce vomiting. Seek immediate medical advice. Rinse mouth with water.

5. Fire-Fighting Measures

Suitable Extinguishing Agents: Use water spray, dry chemicals or carbon dioxide

Protective Equipment: Wear self-contained respirator and fully protective impervious suit.

Hazardous Combustion Products: Under Fire Conditions Form – Carbon Oxides Hydrogen fluoride Carbonyl fluoride Fluorinated hydrocarbons

6. Accidental Release Measures

Person Precautions:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Environmental Protection:

Do not allow material to be released to the environment without proper governmental permits.

Methods and Materials for Containment and Cleanup:

Pick up and arrange disposal without creating dust. Keep in suitable closed container for disposal.

7. Handling and Storage Measures

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid breathing vapors or mist. Handle in accordance with good industrial hygiene and safety practices. Ensure good ventilation.

Condition for Safe Storage: Store in cool, dry place in tightly closed containers.

8. Exposure Controls and Personal Protection

Control parameters

Contains no substances with occupational exposure limit values.

Personal Protective Equipment:

Respiratory Protection: Use masks and respirators tested and approved under appropriate government standards. Vapors are heavier than air and can cause suffocation by reducing oxygen for available breathing.

Hand Protection: Handle with gloves. Inspect gloves before use. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection: For eye protection use safety glasses or face shield. Use masks and respirators tested and approved under appropriate government standards.

Skin and Body Protection: The type of equipment must be selected according to the concentration and amount the dangerous substance at the specific workplace.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

Appearance	:	Liquid
Odor	:	Slight, Ether like
Odor Threshold	:	No Data Available
pH	:	Neutral
Melting Point/Freezing Point	:	-84° C
Boiling Point	:	55° C
Flash Point	:	Does not flash (ASTM D 56)
Evaporation Rate	:	No Data Available
Explosion Limits(Upper/Lower)	:	No Data Available
Vapor Pressure	:	No Data Available
Vapor Density	:	313 hPa (229.5 mmHg) at 25 °C
Relative Density	:	1.58 g/cm ³ at 25°C (77°F)
Solubility	:	No Data Available
Partition Coefficient	:	Pow: 2.7 at 24° C
Auto-Ignition Temperature	:	No Data Available
Decomposition Temperature	:	No Data Available
Viscosity	:	No Data Available

10. Stability and Reactivity

Chemical Stability	:	Stable under normal storage conditions
Possibility of Hazardous Reactions	:	No Data Available
Condition to Avoid	:	Avoid open flames and high temperatures
Incompatible Materials	:	Strong bases
Hazardous Decomposition Products	:	Carbon Oxides Hydrogen fluoride Carbonyl fluoride Fluorinated hydrocarbons

11. Toxicological Information

Acute Toxicity:	Inhalation 4h LC50	Oral LD50	Dermal LD50	Other information of acute toxicity
2H, 3H - Perfluoropentane	115 mg/l (Rat)	>5000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	No Data Available
Skin corrosion/irritation	:	No skin irritation (Rat)		
Serious eye damage/eye irritation	:	No eye irritation (Rat)		
Respiratory or skin sensitization	:	No Data Available		
Germ Cell mutagenicity	:	No Data Available		
Carcinogenicity	No classification data of levels greater than or equal to 0.1% on carcinogenic properties of this material is available from the IARC, NTP, OSHA or ACGIH.			
Reproductive toxicity	:	No Data Available		
Teratogenicity	:	No Data Available		
Specific target organ toxicity – single exposure	:	May cause respiratory irritation		
Specific target organ toxicity – repeated exposure	:	No Data Available		
Aspiration Hazard	:	No Data Available		
Synergistic Effects	:	No Data Available		
Additional Information	:	Inhalation of vapors in high concentration may cause shortness of breath (lung oedema)		

12. Ecological Information

Toxicity	:	LC50 - 27.2 mg/L 96h
Persistence and Degradability	:	Not readily biodegradable
Bioaccumulation potential	:	No Data Available
Mobility in Soil	:	No Data Available
Other Adverse effects	:	No Data Available

13. Disposal Considerations

Product	:	Contact a licensed professional waste disposal service to dispose.
Contaminated packaging	:	Dispose of as unused product

14. Transportation Information

DOT	:	Not dangerous goods
IMDG	:	Not dangerous goods
IATA	:	Not dangerous goods

15. Regulatory Information

Chemical Name	SARA 302	SARA 313	SARA 311/312 Hazards
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2H, 3H - Perfluoropentane	NO	NO	NONE
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Right to Know Act :

Massachusetts	Pennsylvania	New Jersey	California
Not subject to Right to Know Act	2H, 3H - Perfluoropentane CAS-No. 138495-42-8	2H, 3H - Perfluoropentane CAS-No. 138495-42-8	Does not contain chemical known to State of California to cause cancer, birth defects or any other reproductive harm

16. Other Information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with the Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Category	HMIS Classification	NFPA Rating
Health Hazard	0	0
Fire/Flammability	0	0
Physical Hazard	0	-
Reactivity Hazard	-	0