

MATERIAL SAFETY DATA SHEET

PHENYLMETHYLSULFONYL FLUORIDE (PMSF)

I IDENTIFICATION:

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179

Emergency Telephone No.: 905-466-3832
Chemical Name: Phenylmethylsulfonyl fluoride
Catalog Number: PMS123
Molecular Formula: C7H7FO2S
Molecular Weight: 174.19
WHMIS Classification: E
TSCA Status: Listed on the TSCA Inventory

II COMPOSITION/ INGREDIENTS:

	CAS #	RTECS #	%
PMSF	329-98-6	XT8040000	>99.0%

III HAZARDS/TOXICOLOGICAL PROPERTIES:

Routes of entry: Eyes, skin, inhalation, Ingestion.

Target Organs:

Eyes: Causes eye burns. May cause severe irritation.

Skin: Causes skin burns.

Inhalation: Causes burns. May cause severe irritation to respiratory tract. May cause sore throat and lung edema..

Ingestion: Causes burns to GI tract. Harmful if ingested. May cause permanent damage to digestive tract.

CHRONIC HEALTH HAZARDS; To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated.

Exposure Limits:

ORAL MOUSE: LD50=200 MG/KG

IPR RAT: LD50=150MG/KG

IPR MUS:LD50=215MG/KG

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

IV FIRST AID MEASURES:

Eyes: Flush eyes with water , GET MEDICAL ATTENTION

Skin: In case of contact, flush area immediately with water. GET MEDICAL ATTENTION.

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen and GET MEDICAL ATTENTION.

Ingestion: Wash mouth with water. Do not induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.

V FIRE AND EXPLOSION HAZARDS:

Flammable: No

Flash Point: N/A

Extinguishing Media: do not use water directly on fire. Use foam, dry chemical or carbon dioxide.

Explosion Data: Not available

VI REACTIVITY:

Stability: Stable at normal room temperature and pressure

Incompatibility: Strong oxidizing agents, strong bases, moisture

Hazardous Decomposition Products: Thermal decomposition may produce toxic fumes of carbon monoxide ,carbon dioxide., oxides of sulfur, hydrogen fluoride.

Hazardous Polymerization: Has not been reported

VII PHYSICAL DATA:

Physical State: Crystalline solid

Appearance and Odor: N/A

Melting Point: 92-94C

Boiling Point: N/A

Specific Gravity: N/A

Vapor Density: N/A

Water Solubility: yes

pH: approx. N/A

VIII PREVENTIVE MEASURES:

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use OSHA/MSHA approved respirator.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Pickup and place in a closed container.

Waste Disposal: Burn in chemical incinerator.

Other precautions: Avoid contact. Do not get in eyes, on skin, or clothing.

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: Room temperature. Avoid conditions of moisture.

Label Hazard Warning: Corrosive. Harmful, possible risk of irreversible effects, harmful to skin, eyes and respiratory system. Avoid eye and skin contact. Avoid inhalation and ingestion.

Shipping Information: CORROSIVE SOLID NOS (PHENYLMETHYL SULFONYL FLOURIDE) Hazard Class: 8(9.2) UN 3261

IX PREPARATION OF MSDS:

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 6/2012

Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.

Observe all federal, provincial and state laws concerning health, safety and pollution.