

1 Section I***** GENERAL INFORMATION ******SynQuest Laboratories, Inc.*

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SynQuest Product # 3137-B-01
 Chemical Name: Bromofluoroacetonitrile
 Chemical Family: Alkyl nitrile CAS#: [96449-14-8]
 Formula: C₂HBrFN MW: 137.94

2 Section II***** HAZARDOUS INGREDIENTS/IDENTITY INFORMATION *****

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Bromofluoroacetonitrile	NONE	NONE		100

3 Section III***** PHYSICAL & CHEMICAL CHARACTERISTICS *****

BOILING POINT: N/E EVAPORATION RATE (BuOAc = 1): > 1
 VAPOR PRESSURE: N/E MELTING POINT: N/E
 SPECIFIC GRAVITY: N/E
 SOLUBILITY IN WATER: Slightly soluble
 APPEARANCE: Colorless liquid

4 Section IV***** FIRE & EXPLOSION HAZARD DATA *****

FLASH POINT: N/E METHOD USED: NA
 FLAMMABLE LIMITS: LEL = NA UEL = NA
 EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, Foam
 SPECIAL FIRE FIGHTING PROCEDURES: A self-contained breathing apparatus and full protective clothing should be worn when fighting fires. Keep containers cool with water spray.
 UNUSUAL FIRE & EXPLOSION HAZARDS: Toxic fumes or mists of fluoride may be produced on thermal decomposition and/or during combustion.

7 Section VII * PRECAUTIONS FOR SAFE HANDLING AND USE *****

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Evacuate area and allow to thoroughly ventilate before re-entry.

WASTE DISPOSAL METHOD: Vent through a strong caustic solution. Dispose of solution in accordance with all Local, State, and Federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store containers in a cool, dry area out of direct sunlight. Avoid breathing vapors. Avoid skin contact.

8 Section VIII * CONTROL MEASURES *****

RESPIRATORY PROTECTION (SPECIFY TYPE): Self-contained breathing apparatus when exposure likely.

VENTILATION: LOCAL EXHAUST: Required
MECHANICAL (GENERAL): Required
SPECIAL:
OTHER: Handle in closed system when possible.

PROTECTIVE GLOVES: Neoprene rubber or Silver Shield

EYE PROTECTION: Safety glasses or chemical splash goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Emergency shower and eye-wash station.

WORK/HYGENIC PRACTICES: Wash after handling.

9 Section XI * REGULATORY INFORMATION *****

UN# 2810

DOT SHIPPING NAME: Toxic liquid, organic, nos, (Bromofluoroacetonitrile)
Hazard Class 6.1 / PG III

LISTS:

RCRA: Not listed
CERCLA: Not listed
SARA 313: Not listed
WHIMS: Health (3); Flammability (2); Reactivity (0)
TSCA: Not included on TSCA inventory, for R&D use only.

N/A = Not available

N/E = Not established

NA = Not applicable