

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

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Phone 386/462-0788; FAX 386/462-7097

SynQuest Product # 1200-A-01
 Chemical Name: 1,2-Dibromohexafluorocyclobutane
 Chemical Family: Alicycliperhalocarbon CAS#: [377-40-2]
 Formula: C₄Br₂F₆ MW: 321.84

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

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
1,2-Dibromohexafluorocyclobutane	NONE	NONE		100

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

BOILING POINT: 96.7 °C @ 760 mmHg EVAPORATION RATE (BuOAc = 1): < 1
 VAPOR PRESSURE: N/E MELTING POINT: -31.2 °C
 VAPOR DENSITY, (AIR=1) 11.1 (Calc.)
 SPECIFIC GRAVITY: 2.1743 @ 26.5°C
 SOLUBILITY IN WATER Insoluble
 APPEARANCE: Colorless liquid

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

FLASH POINT: None (non-flammable) 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.
 UNUSUAL FIRE & EXPLOSION HAZARDS: Toxic fumes or mists of fluoride and bromide 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 wearing protective clothing soak up spill with absorbent solid. Place recovered material in appropriate container for disposal.

WASTE DISPOSAL METHOD: Burn in approved incinerator 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): OSHA approved organic vapor respirator.

VENTILATION: LOCAL EXHAUST: Recommended
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: As required by your company.
WORK/HYGENIC PRACTICES: Wash after handling.

9 Section XI * REGULATORY INFORMATION *****

UN# Unrestricted
DOT SHIPPING NAME:
LISTS:
RCRA: Not listed
CERCLA: Not listed
SARA 312 HAZARD CLASS: Not listed
SARA 313: Not listed
WHIMS: Health (0); Flammability (0); Reactivity (0)
TSCA: Not on TSCA inventory, for R&D use only.

N/A = Not available
N/E = Not established
NA = Not applicable