SECTION-1: Identification of the substance / mixture and the company / undertaking

Catalogue Number	CS-ED-41936
Product Name	Bromotrifluoromethane
CAS No.	75-63-8
Category	Building Blocks
Synonyms	Not available
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email **sales@clearsynth.com** for more details.

2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Skin irritation (Category 2)
Serious eye damage/eye irritation (Category 2)

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H280	Not available
H315	Causes skin irritation.
H319	Causes serious eye irritation.

H335	Not available
H336	Not available
H420	Not available
H370	Not available

Precautionary Statement(s)

Code	Statement
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P264+P265	Not available
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if presen
P319	Get medical help if you feel unwell.
P321	Specific treatment (see … on this label).
P332+P317	If skin irritation occurs: Get medical help.
P337+P317	If eye irritation persists: Get medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P403	Not available
P501	Dispose of contents/container in accordance with local/regional/national/international regulatio
P502	Not available
P260	Not available
P270	Not available
P308+P316	Not available

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Bromotrifluoromethane
CAS Number : 75-63-8
Molecular Formula : CBrF3
Molecular Weight : 148.91
Parent Chemical : .
Synonyms : Not available
Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures
- General advice: Remove person from exposure. Show this SDS to medical personnel.
- Inhalation: Move to fresh air. Keep at rest. If breathing is difficult, seek medical attention.
- Skin contact: Remove contaminated clothing. Rinse skin with plenty of water.
- Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
- Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed
- Not available.

4.3 Indication of any immediate medical attention and special treatment needed
- Treat symptomatically. Not available.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Extinguishing media
- Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture
- May release hazardous decomposition products under fire conditions.
- Hazardous combustion/decomposition products: Not available.

5.3 Advice for firefighters
- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Cool containers with water spray if exposed to fire.
- Prevent fire-fighting water from entering drains or waterways.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
- Evacuate unnecessary personnel. Ensure adequate ventilation.
- Avoid breathing vapors/gas. Avoid contact with eyes and skin.

- Wear appropriate personal protective equipment (see Section 8).

6.2 Environmental precautions
- Prevent further leakage or spillage if safe to do so.
- Avoid release to the environment. Prevent entry into drains, sewers, or waterways.

6.3 Methods and material for containment and cleaning up
- Stop leak if safe to do so.
- Ventilate area. Use appropriate gas/vapor handling and recovery methods.
- Dispose of collected material in accordance with Section 13.

6.4 Reference to other sections
- See Section 8 for personal protective equipment and Section 13 for disposal considerations.

SECTION-7: Handling and storage

SECTION 7: Handling and storage

7.1 Precautions for safe handling
- Use only with adequate ventilation.
- Avoid breathing vapors/gas. Avoid contact with eyes, skin, and clothing.
- Keep away from heat, sparks, open flames, and hot surfaces.
- Use equipment suitable for handling pressurized gases if applicable.

7.2 Conditions for safe storage, including any incompatibilities
- Store in a cool, well-ventilated place.
- Keep container tightly closed and properly labeled.
- Protect from physical damage.
- Incompatible materials: Not available.

7.3 Specific end use(s)
- Building block / laboratory and industrial use. Not available.

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
- Occupational exposure limits: Not available.
- Biological limit values: Not available.

8.2 Exposure controls
- Appropriate engineering controls: Use local exhaust and/or general ventilation to maintain exposure below applicable limits (if established).
- Personal protective equipment (PPE):
- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
- Skin protection: Wear protective gloves and suitable protective clothing.
- Respiratory protection: If ventilation is inadequate, use appropriate respiratory protection.
- Hygiene measures: Wash hands after handling. Do not eat, drink, or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

SECTION 10: Stability and reactivity

SECTION 10: Stability and reactivity

10.1 Reactivity
- Not available.

10.2 Chemical stability
- Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
- Not available.

10.4 Conditions to avoid
- Heat, flames, and other ignition sources. Not available.

10.5 Incompatible materials
- Not available.

10.6 Hazardous decomposition products
- Not available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
- Acute toxicity: LC50 (rat) = 84,000 ppm/15 min For more Human Toxicity Excerpts (Complete) data for BROMOTRIFLUOROMETHANE (21 total), please visit the HSDB record page.
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

Likely routes of exposure
- FLUOROCARBON VAPORS ARE FOUR TO FIVE TIMES HEAVIER THAN AIR. THUS HIGH CONCN TEND TO ACCUMULATE IN LOW-LYING AREAS, RESULTING IN HAZARD OF INHALATION OF CONCENTRATED VAPORS, WHICH MAY BE FATAL. ... THE HIGHEST EXPOSURE IN THE PLANT OCCURS WITH VENTING OF GASES FROM RETURNABLE CYLINDERS. /FLUOROCARBONS/

Symptoms related to the physical, chemical and toxicological characteristics
- Possible adverse effects of exposure to Halon 1301 during firefighting in confined spaces were investigated. Halon 1301 (7%) did not affect the normal sleep pattern or the general health of human subjects. No Halon-induced changes in serum enzymes or serum albumin or total protein levels were observed suggesting that liver function was not altered. Subjects experienced transient light-headness and mild euphoria. Mental performance was decr, but returned to normal 1/2 hr after exposure. Apparently, Halon 1301 is a medically safe agent for use in fire fighting in confined spaces.

SECTION 12: Ecological information

SECTION 12: Ecological information

12.1 Toxicity
- Not available.

12.2 Persistence and degradability
- Not available.

12.3 Bioaccumulative potential
- Not available.

12.4 Mobility in soil
- Not available.

12.5 Results of PBT and vPvB assessment
- Not available.

12.6 Endocrine disrupting properties
- Not available.

12.7 Other adverse effects
- Not available.

SECTION 13: Disposal considerations

SECTION 13: Disposal considerations

13.1 Waste treatment methods
- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Do not discharge to drains or the environment.
- Empty containers may retain product residues; handle as hazardous waste.
- Recommended disposal method: Not available.

SECTION 14: Transport information

SECTION 14: Transport information

- UN number: Not available.
- UN proper shipping name: Not available.
- Transport hazard class(es): Not available.
- Packing group: Not available.
- Environmental hazards: Not available.
- Special precautions for user: Not available.
- Transport in bulk according to IMO instruments: Not available.

SECTION 15: Regulatory information

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Not available.

15.2 Chemical safety assessment

- Not available.

SECTION 16: Other information

SECTION 16: Other information

- Product name: Bromotrifluoromethane
- CAS No.: 75-63-8
- Catalog No.: CS-ED-41936
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Disclaimer
- The information provided is believed to be accurate as of the date of preparation; however, no warranty is expressed or implied. Users must determine suitability for their particular application and comply with all applicable laws and regulations.

Revision information
- Revision date: Not available.
- Version: Not available.

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