



# Safety Data Sheet

Version 7.0

Revision Date: 11/03/2022

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **2,5-Dibromo-3-(bromomethyl)thiophene**  
Product abbreviation: 2,5-DBr-3BrMTh  
Product use: For laboratory research purposes.  
Supplier / Manufacturer: Polymer Source, Inc.  
Address: 124 Avro street, Dorval (Montreal), Quebec H9P 2X8, Canada  
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## 2. HAZARDS IDENTIFICATION

Emergency overview: Target organs: Respiratory system  
WHMIS classification: D1B. Toxic material causing immediate and serious toxic effects. Toxic by inhalation.  
GHS classification: Acute toxicity, Inhalation (Category 4)  
Skin corrosion / irritation (Category 2)  
Serious eye damage / eye irritation (Category 2A)

GHS Label elements, including precautionary statements:

Pictogram:



Signal word:

Warning

Hazard statements:	H315. Causes skin irritation.	
	H319. Causes serious eye irritation.	
	H335. May cause respiratory irritation.	
Precautionary statements:	P261. Avoid breathing dust/ fume/ gas/ mist/vapours/ spray.	
	P264. Wash skin thoroughly after handling.	
	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.	
	P304 + P340 + P312. <i>IF INHALED:</i>	
	Remove person to fresh air and keep comfortable for breathing. Call a Poison Center or doctor if you feel unwell.	
	P305 + P351 + P338. <i>IF IN EYES:</i>	
	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
	P332 + P313. <i>If skin irritation occurs:</i>	
	Get medical advice/ attention.	
	P337 + P313. <i>If eye irritation persists:</i>	
	Get medical advice/ attention.	
	P362 + P364. Take off contaminated clothing and wash it before reuse.	
HMIS classification:	P403 + P233. Store in a well-ventilated place. Keep container tightly closed.	
	P405. Store locked up.	
	P501. Dispose of contents/ container to an approved waste disposal plant.	
	Health hazard:	2
	Chronic health hazard:	*
Potential health effects:	Flammability:	*
	Physical hazards:	0
	Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
	Skin:	May be harmful if absorbed through skin. Causes skin irritation.
	Eyes:	Causes eye irritation.
	Ingestion:	May be harmful if swallowed.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Formula:	2,5-Dibromo-3-(bromomethyl) thiophene	$C_5H_3Br_3S$
Molecular weight:	334.8 g/mol	
Synonyms:	2,5-Dibrom-3-brommethyl-thiophen; 2,5-dibromo-3-bromomethylthiophene	
Concentration:		$\leq 100 \%$
CAS registry number:		13191-37-2

### 4. FIRST AID MEASURES

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General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact:	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 5. FIRE-FIGHTING MEASURES

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Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.	
Special protective equipment for firefighters:	Wear self contained breathing apparatus for firefighting if necessary.	
Hazardous combustion products:	Hazardous decomposition products formed under fire conditions: Carbon oxides.	
Explosion data:	Sensitivity to mechanical impact:	no data available
	Sensitivity to static discharge:	no data available
Further information:	Use water spray to cool unopened containers.	

### 6. ACCIDENTAL RELEASE MEASURES

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Personal precautions:	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental precautions:	Prevent leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up:	Contain spillage, and then collect by wet-brushing and place in container for disposal according to local regulations.

## 7. HANDLING AND STORAGE

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Precautions for safe handling:	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition: No smoking.
Conditions for safe storage:	Keep container tightly closed in a cool, dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store under inert gas. Hygroscopic

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Personal protective equipment:

- Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
- Eye protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin and body protection: Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of 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.
- Specific engineering controls: Use mechanical exhaust or laboratory fumehood to avoid exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance:	Form:	no data available
	Colour:	no data available
Safety data:	pH:	no data available
	Melting point / Freezing point:	no data available
	Boling point:	no data available
	Flash point:	no data available
	Ignition temperature:	no data available
	Auto-ignition temperature:	no data available
	Lower explosion limit:	no data available

Upper explosion limit:	no data available
Vapour pressure:	no data available
Density:	no data available
Water solubility:	no data available
Partition coefficient: n-octanol/water:	no data available
Relative vapour density:	no data available
Odour:	no data available
Odour threshold:	no data available
Evaporation rate:	no data available

## 10. STABILITY AND REACTIVITY

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Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Vapours may form explosive mixture with air.
Conditions to avoid:	Heat, flames and sparks.
Materials to avoid:	no data available
Hazardous decomposition products:	Hazardous decomposition products formed under fire conditions: Carbon oxides, Sulfur oxides. Other decomposition products: no data available.

## 11. TOXICOLOGICAL INFORMATION

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Acute toxicity:	Oral LD50:	no data available
	Inhalation LC50:	no data available
	Dermal LD50:	no data available
	Other information on acute toxicity:	no data available
Skin corrosion/irritation:	no data available	
Serious eye damage/eye irritation.	no data available	
Respiratory or skin sensitization:	no data available	
	no data available	
Germ cell mutagenicity:		
Carcinogenicity:	no data available	
	IARC: Group 2B: Possibly carcinogenic to humans.	
Reproductive toxicity:	no data available	
Teratogenicity:	no data available	
Specific target organ toxicity:	Single exposure (Globally Harmonized System):	no data available
	Repeated exposure (Globally Harmonized System):	no data available
Aspiration hazard:	no data available	

Potential health effects:	Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
	Ingestion:	May be harmful if swallowed.
	Skin:	May be harmful if absorbed through skin. Causes skin irritation.
	Eyes:	Causes eye irritation.
Signs and symptoms of exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Nausea, Headache, Vomiting, Central nervous system depression, Dermatitis.	
Synergistic effects:	no data available	
Additional information:	RTECS:	not available

## 12. ECOLOGICAL INFORMATION

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Toxicity:	no data available
Persistence and degradability:	no data available
Bioaccumulative potential:	no data available
Mobility in soil:	no data available
PBT and vPvB assessment:	no data available
Other adverse effects:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

## 13. DISPOSAL CONSIDERATIONS

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Product:	Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging:	Dispose of as unused product.

## 14. TRANSPORT INFORMATION

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DOT (US):	UN number: 2055 Class: 3 Packing group: III Poison Inhalation Hazard: No
IMDG:	UN number: 2055 Class: 3 Packing group: III EMS-No: F-E, S-D Marine pollutant: No
IATA:	UN number: 2055 Class: 3 Packing group: III

## 15. REGULATORY INFORMATION

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WHMIS classification:

D1B. Toxic material causing immediate and serious toxic effects.  
Toxic by ingestion.

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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## 16. OTHER INFORMATION

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Date of the latest revision: 11 March 2022

Further information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Polymer Source, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.polymersource.ca](http://www.polymersource.ca) for additional terms and conditions of sale.