Pfaltz & Bauer
RARE AND FINE CHEMICALS
www.pfaltzandbauer.com

SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product Name:	1-Bromo-3-methyl-2-butene 95%
Product Code:	B22460
Supplier:	Pfaltz & Bauer, Inc. 172 E. Aurora Street Waterbury, CT 06708 USA
Phone:	203 574-0075
Fax:	203 574-3181
Emergency Phone:	CHEMTREC, US: 1-800-424-9300
	CHEMTREC, International: 1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

Statements of Hazard:	Flammable, Corrosive
Acute Health Hazard:	Irritant to eyes, skin, mucous membranes and respiratory system. May be harmful by ingestion, inhalation, or skin absorption.
Chronic Health Hazard:	Not Available
HMIS Rating:	H:3 F:2 P:0
NFPA Rating:	H:3 F:2 R:0

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

Pictogram:

Signal Word: Danger

Hazard Statement(s):

H226 Flammable liquid and vapor
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

Precautionary Statement(s):	**P210** Keep away from heat/sparks/open flames/hot surfaces. — No smoking. **P260** Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. **P264** Wash skin thoroughly after handling. **P280** Wear protective gloves/protective clothing/eye protection/face protection. **P301+P312** IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell. **P301+P330+P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. **P302+P352** IF ON SKIN: Wash with plenty of soap and water. **P303+P361+P353** IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. **P304+P340** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P332+P313** If skin irritation occurs: Get medical advice/ attention. **P403+P235** Store in a well-ventilated place. Keep cool.

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Chemical Name:	1-Bromo-3-methyl-2-butene
Synonyms:	3-Methyl-2-butenyl bromide, g-Methylcrotyl bromide, 3,3-Dimethylallyl bromide, Prenyl bromide
CAS Number:	870-63-3
MDL Number:	MFCD00000242
EINECS Number:	212-799-5
Beilstein Registry Number:	1420778
Molecular Formula:	C_5H_9Br
Molecular Weight:	149.04
Content:	95%
Notes:	Contains silver as a stabilizer

SECTION 4: FIRST AID MEASURES

Eye Contact:	Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.
Skin Contact:	Wash skin with soap and water. If irritation persists, seek medical attention.

Ingestion:	Do not induce vomiting. Seek medical attention.
Inhalation:	Move to a fresh air environment. Contact a physician if breathing becomes difficult.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point:	40 ºC
Explosion Limits:	Lower: Not Available Upper: Not Available
Auto Ignition Temperature:	Not Available
Extinguishing Media:	Carbon dioxide, dry chemical powder, alcohol-resistant foam or water spray.
Protective Equipment:	Wear self-contained respirator and fully protective impervious suit.
Specific Hazards:	May emit hazardous fumes under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection:	Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use. Keep unprotected persons away.
Environmental Protection:	Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

SECTION 7: HANDLING and STORAGE

Handling:	Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.
Storage:	Store in a tightly closed container in a dry, well-ventilated place.
Sensitivities:	Light
Storage Temperature:	2 - 8 ºC

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash facility in your vicinity.

Skin: Wear impervious gloves and protective clothing.

Respiratory: Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

Exposure Limits:

Country	Source	Type	Value
USA	ACGIH	TWA	0.1 mg/m^3
USA	OSHA	STEL	Not Available
USA	OSHA	PEL	Not Available

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Appearance: Light brown liquid

Odor: Pungent

Melting Point: Not Available

Boiling Point: 82-83 ºC at 150 mmHg

pH Value: Not Available

Density: 1.29 g/cm^3

Refractive Index, n^{20}_D: 1.4895

Viscosity: Not Available

Solubility in Water: Not Available

Vapor Pressure: Not Available

Vapor Density(Air=1): Not Available

SECTION 10: STABILITY and REACTIVITY

Stability: Stable under normal temperatures and pressures.

Incompatibility: Strong oxidizing agents, Strong bases.

Conditions to Avoid: Heat, Flame, Sparks, Other ignition sources

Hazardous Decomposition Products: Carbon oxides, Hydrogen Bromide gas, Small amounts of Silver oxides

SECTION 11: TOXICOLOGICAL INFORMATION

RTECS Reference: Not Available

Target Organs: Not Available

Toxicity Data:	Not Available
Skin corrosion/irritation:	Not Available
Serious eye damage/irritation:	Not Available
Carcinogenicity:	Not Available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:	Not Available
Persistence and degradability:	Not Available
Bioaccumulative potential:	Not Available
Mobility in soil:	Not Available
PBT and vPvB assessment:	Not Available
Other adverse effects:	Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name: Corrosive Liquid, Flammable, N.O.S.

DOT UN Number: UN2920

DOT Hazard Class: Class 8, 3

DOT Packing Group: II

IMDG Shipping Name: Corrosive Liquid, Flammable, N.O.S.

IMDG UN Number: UN2920

IMDG Hazard Class: Class 8, 3

IMDG Packing Group: II

IATA Shipping Name: Corrosive Liquid, Flammable, N.O.S.

IATA UN Number: UN2920

IATA Hazard Class: Class 8, 3

IATA Packing Group: II

SECTION 15: REGULATORY INFORMATION

United States:
Toxic Substance Control Act (TSCA): Listed
Superfund Amendments and Reauthorization Act (SARA 302): Not listed

Superfund Amendments and Reauthorization Act (SARA 311/312): Not listed
Superfund Amendments and Reauthorization Act (SARA 313): Not listed

European Union:
European Inventory of Existing Chemical Substances (EINECS): No. 212-799-5
Hazard Codes: C
Risk Statements: 10-34
Safety Statements: 26-36/37/39-45

Canada
Canadian Domestic Substances List (DSL): Not listed
Canadian Domestic Substances List (NDSL): Listed

SECTION 16: OTHER INFORMATION

Date Prepared: 05/22/2013 MH

The information above is presented in good faith. It is believed to be accurate and represents the best information currently available to us. However we make no warranty with respect to such information and we assume no liability resulting from its use. The user should consider this information as a supplement to other information that may be available and make independent judgment to ensure proper use to protect the health and safety of employees and the environment. Pfaltz and Bauer shall not be held liable for any damage resulting from handling or from contact with the above product.