

# Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 4-Bromocrotonic acid

Catalog Number: P41388

CAS Number: 13991-36-1

**FOR R&D use only**

Supplier: AChemBlock(Advanced ChemBlocks Inc), 26120 Eden Landing Rd, Suite 1  
Hayward, CA 94545, USA. Tel: (650) 692 2368

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Acute toxicity, Oral (Category 4)

Skin Corrosion/irritation (Category 1A,B,C)

Serious eye damage (Category 1)

Specific target organ toxicity-single exposure(Category 3),Respiratory system

### GHS Label elements, including precautionary Statements

Pictogram:



Signal word: Danger

Hazard statement(s):

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H335 May cause respiratory irritation

Precautionary Statement(s):

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331

P303+P361+P353

P304+P340

P305+P351+P338

P310	Immediately call a POISON CENTER or doctor/physician.
P363	Wash contaminated clothing before reuse.
P403+P233	
P405	Store locked up.
P502	Refer to manufacturer/supplier for information on recovery/recycling

### 3. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient name:	4-Bromocrotonic acid
CAS number:	13991-36-1
Molecular Formula:	C <sub>4</sub> H <sub>5</sub> BrO <sub>2</sub>
Molecular Weight:	164.99

### 4. FIRST AID MEASURES

**In case of eye contact:**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**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 for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.

**If swallowed:**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:**

Use carbon dioxide, dry chemical powder, alcohol-resistant or polymer foam.

**Special protective equipment for firefighters:**

Wear self-contained breathing apparatus for fire-fighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions:**

Do not let product enter drains.

**Methods and Materials for containment and cleaning up**

Absorb spills on sand or vermiculite and place in closed container for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash thoroughly after handling.

### Conditions for safe storage:

Keep container tightly closed in a cool, dry, well-ventilated place.

### Recommended storage temperature:

Store at 0-8 °C

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

### Engineering Controls:

Use only in a chemical fume hood.

### Personal Protective equipment:

Wear chemical-resistant gloves, safety goggles.

### General Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	yellow to orange crystal
Odor:	not available
Boiling point:	not available
Melting point:	not available
Flash Point:	not available
Density:	not available

## 10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions

Materials to avoid: Heat, Flames and Sparks

Conditions to avoid: strong base

Possible hazardous combustion products: carbon oxide; hydrogen bromide

## 11. Toxicological information

**No Data.**

## 12. ECOLOGICAL INFORMATION

**No Data.**

## 13. DISPOSAL CONSIDERATIONS

Arrange disposal as special waste, by licensed disposal company, in consultation with local waste disposal authority, in accordance with national and regional regulations.

## 14. Transportation information

Non-hazardous for air and ground transportation. Or not available.

## 15. Regulatory Information

Indication of danger: No data

Risk Statement: No data

Safety Statement: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.

## 16. Other information

Revision: 2

Revision Date: Update: 2024-01-01

*The above information is believed to be correct at the date of its publication but does not supposed to be all-inclusive and shall be used only as a guide.*

***Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.***

*AChemBlock(Advanced ChemBlocks Inc) should not be held liable for any damage resulting from handling or from contact with the above product.*