

Safety Data Sheet (United States)

2-Bromo-5-chlorobenzene-1-sulfonyl fluoride

1. Identification

Product name: 2-Bromo-5-chlorobenzene-1-sulfonyl fluoride
Catalog#: 1837EH
IUPAC name: 2-bromo-5-chlorobenzenesulfonyl fluoride
Product use restrictions: Only for research and development use by, or directly under the supervision of, a technically qualified individual.
Company: AK Scientific, Inc.
30023 Ahern Ave.
Union City, CA 94587
Telephone: (510) 429-8835
Fax: (510) 429-8836
Website: www.aksci.com
Emergency contact number: 1-800-633-8253 United States & Canada
1-801-629-0667 International

2. Hazard Identification:**GHS Classification (United States)**

Skin irritation (Category 2)

Eye irritation (Category 2A)

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

Pictogram(s)**Signal word:**

Warning

Hazard statement(s)

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statement(s):

P261 Avoid breathing dust/fume/gas/mist/vapors/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 soap and water.
P304+P340 IF INHALED: Remove 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.

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None

3. Composition/Information on Ingredients

Synonyms: 2-Bromo-5-chlorobenzene-1-sulfonyl
fluoride; ZINC238856153; FCH3632375; EN300-224130

CAS#: 1934402-21-7

Purity: 95%

EC: Not available.

4. First Aid Measures

General Information: Immediately remove any clothing contaminated by the product. Move out of dangerous area. Consult a physician and show this safety data sheet.

Inhalation: Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical aid.

Skin contact: Immediately flush skin with running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Obtain medical aid immediately.

Eye contact: Immediately flush open eyes with running water for at least 15 minutes. Obtain medical aid immediately.

Ingestion: Do NOT induce vomiting without medical advice. Rinse mouth with water. Never administer anything by mouth to an unconscious person. Obtain medical aid immediately.

Most important symptoms and effects, both acute and delayed: No further information available. Please see sections 2 and 11.

Indication of any immediate medical attention and special treatment needed: No further information available.

5. Fire Fighting Measures

Suitable extinguishing media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Specific hazards arising from the chemical: Carbon oxides, Hydrogen bromide, Hydrogen chloride, Hydrogen fluoride, Sulfur oxides.

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not eat, drink, or smoke while handling.

Conditions for safe storage, including any incompatibilities: Store in a tightly-closed container when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from sources of ignition. ,Store long-term in a cool, dry place.

8. Exposure Controls/Personal Protection**Exposure limits:**

OSHA PEL: Not available.
NIOSH REL: Not available.
ACGIH TLV: Not available.

Appropriate engineering controls: Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Facilities storing or utilizing this material should be equipped with an eyewash fountain. Use adequate general and local exhaust ventilation to keep airborne concentrations low.

Personal protection

Eyes: Not Available.
Hands: Not Available.
Skin and body: Not Available.
Respiratory: Not Available.

9. Physical and Chemical Properties

Physical State: Not available.
Molecular Formula: C₆H₃BrClFO₂S
Molecular Weight: 273.51
Odor: Not available.
pH: Not available.
Boiling Point Range: Not available.
Freezing/Melting Point: Not available.
Flash Point: Not available.
Evaporation Rate: Not available.
Flammability(solid,gas): Please see section 2.
Explosive limits: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Solubility: Not available.
Relative Density: Not available.
Refractive Index: Not available.
Volatility: Not available.
Auto-ignition Temperature: Not available.
Decomposition Temperature: Not available.
Partition Coefficient: Not available.

10. Stability and Reactivity

Reactivity: Not available.
Chemical stability: Stable under recommended temperatures and pressures.
Possibility of hazardous reactions: Not available.
Conditions to avoid: Dust generation.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: Carbon oxides, Hydrogen bromide, Hydrogen chloride, Hydrogen fluoride, Sulfur oxides.

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Routes of exposure:
Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation, eye contact, skin contact, ingestion.
Skin contact may result in inflammation characterized by itching, scaling, reddening, blistering, pain or dryness. Eye contact may result in redness, pain or severe eye damage. Inhalation may cause irritation of the lungs and respiratory system. Overexposure may result in serious illness or death.

Carcinogenicity

IARC: Not classified.

NTP: Not listed.

OSHA: Not Available..

Acute toxic effects: Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

12. Ecological Information

Ecotoxicity: Not available.

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Other adverse effects: Not available.

13. Disposal Considerations

Disposal of waste: Not listed

Disposal of packaging: Not listed

14. Transportation Information**DOT (United States)**

UN number: Not hazmat

Proper shipping name: Not available.

Transport hazard class: Not available.

Packing group: Not available.

IATA

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