

# SDS

## SAFETY DATA SHEET

Oakwood Products, Inc  
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 Estill, SC 29918  
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**Phone Numbers:**

Product Information	803-739-8800
Transportation Emergency	800-451-8346
Outside the USA	760-602-8700

**MATERIAL IDENTIFICATION**

NAME: **2-Bromo-4-fluorobenzenesulfonyl chloride**  
 CAS#: [351003-45-7]  
 CAT#: 013083  
 For R&D use only.

**HAZARDS IDENTIFICATION****GHS Classification**

Skin corrosion/irritation (Category 1B)  
 Serious eye damage/eye irritation (Category 1)

**GHS Label elements, including precautionary statements**

## Pictograms



## Signal Word

Warning

## Hazard Statement(s)

H314 Causes severe skin burns and eye damage  
 H318 Causes serious eye damage

## Precautionary Statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P302 + P352 IF ON SKIN: wash with plenty of soap and water.  
 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.  
 P310 Immediately call a POISON CENTER or doctor/physician.

**COMPOSITION/INFORMATION ON INGREDIENTS**

Synonyms	: 2-bromo-4-fluorobenzenesulphonyl chloride, 4-fluoro-2-bromobenzenesulfonyl chloride, 4-fluoro-2-bromobenzenesulfonylchloride
Formula	: C <sub>6</sub> H <sub>3</sub> BrClFO <sub>2</sub> S
Molecular Weight	: 273.51 g/mol

CAS	Description	Concentration
351003-45-7	2-Bromo-4-fluorobenzenesulfonyl chloride	97%

**FIRST AID MEASURES****In case of eye contact**

Immediately flush eyes with running water for at least 15 minutes while keeping eyes open. Seek medical attention.

**In case of skin contact**

Wash thoroughly with soap and plenty of water. Seek medical attention.

**If inhaled**

Remove victim from source of exposure to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

**If swallowed**

Do not induce vomiting. Give water to victim to drink. Seek medical attention.

**FIRE-FIGHTING MEASURES****Suitable extinguishing media**

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

**Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual fire and explosion hazards/decomposition of product**

emits toxic fumes under fire conditions.

**ACCIDENTAL RELEASE MEASURES****Personal precautions**

Use personal protective equipment. Avoid breathing fumes, vapors, mists or gas. Ventilate area. Remove all sources of ignition. Evacuate personnel.

**Environmental precautions**

Prevent further leakage if safe to do so.

**Methods and materials for containment and clean up**

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

**HANDLING AND STORAGE****Precautions for safe handling**

Avoid prolonged use. Avoid all direct contact with material. Do not breathe dust or vapor. Wash thoroughly after handling.

#### **Precautions for safe storage**

Keep container tightly closed. Store in a cool, dry, well-ventilated area.  
Moisture sensitive.

### **EXPOSURE CONTROL/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

#### **Personal protective equipment**

##### **Eye/face protection**

Wear protective safety goggles or face shields tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### **Hand/skin protection**

Avoid all direct contact with product.  
Wear chemical-resistant gloves.  
Wear protective clothing and boots.  
After contact with skin, wash immediately.

##### **Respiratory protection**

Ensure adequate ventilation during use. Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the exposure limits.

### **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Solid
Odour	no data available
Odour Threshold	no data available
Melting point/Freezing Point	37-39°C
Boiling Point	no data available
Flash Point	no data available
Evaporation Rate	no data available
Flammability (solid, gas)	no data available
Upper/Lower Flammability or Explosive limits	no data available
Vapour pressure	no data available
Relative Density	no data available
Solubility(ies)	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Refractive Index	no data available

### **STABILITY AND REACTIVITY**

#### **Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

no data available

**Conditions to avoid**

Moisture.

**Incompatible materials**

Strong oxidizing agents, strong bases, amines, and alcohols.

**Hazardous decomposition products**

May evolve carbon monoxide, carbon dioxide, sulfur oxides, hydrogen bromide, hydrogen chloride, and hydrogen fluoride.

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**TOXICOLOGICAL INFORMATION**

**Acute toxicity**

no data available

**Skin corrosion/irritation**

Causes severe skin burns and eye damage

**Serious eye damage/eye irritation**

Causes serious eye damage

**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

**Exposure Routes**

Causes burns.

May have harmful effects if inhaled or swallowed.

To the best of our knowledge, the health hazards of this material have not been fully investigated.

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**ECOLOGICAL INFORMATION**

**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**

no data available

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**DISPOSAL CONSIDERATIONS**

Dissolve in or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and local laws.

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**TRANSPORT INFORMATION**

***DOT***

Corrosive solid, acidic, organic, n.o.s.

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UN3261 III

***IMDG***

Corrosive solid, acidic, organic, n.o.s.

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UN3261 III

EMS-No: F-A, S-B

Marine Pollutant: No

***IATA***

Corrosive solid, acidic, organic, n.o.s.

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UN3261 III

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**REGULATORY INFORMATION**

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

**New Jersey Right to Know Components**

This product may contain a chemical on the New Jersey Right to Know Components List.

**CAS**

**California Prop. 65 Components**

This product does not contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

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**OTHER INFORMATION**

Version : 1.2

Revision Date : 2/20/2018

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Oakwood shall not be held liable for any damage resulting from handling or from contact with the above product.