





Product name: 2-Amino-5-bromo-2'-fluorobenzophenone

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Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor

Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special freatment needed No further relevant information available.

5 Fire-fighting measures

Extinguishing media Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Hydrogen fluoride (HF) Nitrogen oxides (NOx) Hydrogen bromide (HBr) Advice for firefighters Protective equipment: **Protective equipment:** Wear self-contained respirator. Wear fully protective impervious suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

Environmental precautions: Do not allow product to reach sewage system or any water course. Methods and material for containment and cleaning up: Ensure adequate ventilation. **Prevention of secondary hazards:** No special measures required. **Reference to other sections** See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and storage

Handling Precautions for safe handling

Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: No information known.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions:

Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data

Exposure controls

Exposure controls Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eves and skin

Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands:

Impervious gloves Check protective gloves prior to each use for their proper condition.

The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. **Penetration time of glove material (in minutes)** Not determined **Eye protection:** Safety glasses **Body protection:** Protective work clothing.

9 Physical and chemical properties

| s i nysical and chemical properties | | |
|--|---|--|
| Information on basic physical and chemical properties General Information Appearance: Form: Solid Odor: Not determined | | |
| Odor threshold: | Not determined. | |
| pH-value: | Not applicable. | |
| Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: | 100-104 °C (212-219 °F) Not determined Not determined | |
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| Product name: 2-Amino-5-bromo-2'- | fluorobenzophenone | |
|---|--|--------------------|
| | | (Contd. of page 2) |
| Flammability (solid, gaseous) Ignition temperature: | Not determined. Not determined | |
| Decomposition temperature: | Not determined | |
| Auto igniting: | Not determined. Not determined. | |
| Danger of explosion: Explosion limits: | | |
| Lower: Upper: | Not determined Not determined | |
| Vapor pressure: Density: | Not applicable. Not determined | |
| Relative density | Not determined. | |
| Vapor density Evaporation rate | Not applicable. Not applicable. | |
| Solubility in / Miscibility with Water: | Not determined | |
| Partition coefficient (n-octanol/water). Viscosity: | Not determined. | |
| dynamic: | Not applicable. | |
| kinematic: Other information | Not applicable. No further relevant information available. | |
| 10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recomm Thermal decomposition / conditions to Possibility of hazardous reactions Re Conditions to avoid No further relevant Incompatible materials: Oxidizing ager Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen fluoride Nitrogen oxides Hydrogen bromide 11 Toxicological information | o be avoided: Decomposition will not occur if used and stored according to specifications. acts with strong oxidizing agents t information available. | |
| Reproductive toxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known. Subacute to chronic toxicity: No effect | in irritation. rious eye irritation. own. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. rn. - repeated exposure: No effects known. - single exposure: May cause respiratory irritation. | |
| 12 Ecological information | | |
| Toxicity Aquatic toxicity: No further relevant inf Persistence and degradability No furth Bioaccumulative potential No further r Mobility in soil No further relevant infor Additional ecological information: General notes: | rer relevant information available. elevant information available. mation available. quantities to reach ground water, water course or sewage system. t | |
| 13 Disposal considerations | | |
| Waste treatment methods | or national regulations to ensure proper disposal. ade according to official regulations. | |
| 14 Transport information | | |
| UN-Number DOT, ADN, IMDG, IATA | Not applicable | |
| UN proper shipping name DOT, ADN, IMDG, IATA | Not applicable | |
| Transport hazard class(es) | | |
| DOT, ADR, ADN, IMDG, IATA Class | Not applicable | |
| | | |
| Packing group DOT, IMDG, IATA | Not applicable | |
| Environmental hazards: | Not applicable. Not applicable. | |
| Special precautions for user | ινοι αρμικαύθε. | (Contd. on page 4) |

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| (Contd. of page 3) |
| IARPOL73/78 and the IBC Code Not applicable. |
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| No |
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| ns/legislation specific for the substance or mixture and labeled in accordance with 29 CFR 1910 (OSHA HCS) |
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| pas/mist/vapours/spray. ective clothing/eye protection/face protection. ly with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. on to fresh air and keep comfortable for breathing. ther in accordance with local/regional/national/international regulations. ental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted that the used by or directly under the supervision of a technically qualified individual as defined by TSCA. This ses or in formulations for commercial purposes. sets Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). Istings) Substance is not listed. bstance is not list |
| a supplement to other information gathered by them, and should make independent judgement of suitability of this ne health and safety of employees. This information is furnished without warranty, and any use of the product not in eet, or in combination with any other product or process, is the responsibility of the user. Department 5/- ngereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) al Substances nemical Society) (Canada) itenists (USA) |
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IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)