

Material Safety Data Sheet (MSDS)

<i>Revision Number: 1.1</i>	<i>Last updated June 2011</i>
<u>Product and Company Identification</u>	
<i>Product Name:</i>	5-Bromo-2'-deoxyuridine
<i>Catalog Number:</i>	83224
<i>Manufacturer/Supplier:</i>	AnaSpec, Inc. 34801 Campus Drive, Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572
<u>Composition / Information on Ingredients</u>	
<i>Synonym:</i> BrdU <i>Molecular Formula:</i> C ₉ H ₁₁ BrN ₂ O ₅ <i>Molecular Weight:</i> 307.10 <i>CAS Number:</i> 59-14-3	
<u>Hazards Identification</u>	
<i>Emergency Overview:</i> Target Organ Effect	
<u>First Aid Measure:</u>	
<i>Inhalation:</i>	If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
<i>Ingestion:</i>	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
<i>Skin:</i>	In case of contact, immediately wash skin with soap and plenty of water.
<i>Eyes:</i>	In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.
<u>Fire Fighting Measures</u>	
<i>Extinguishing media:</i>	Water spray, carbon dioxide, dry chemical powder or appropriate foam.
<i>Special firefighting procedures:</i>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<i>Unusual fire and explosions hazards:</i>	Emits toxic fumes under fire conditions.
<u>Accidental Release Measures</u>	
Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Do not let product enter drains. Methods and materials for containment and cleaning up Sweep up and shovel. Keep in suitable, closed containers for disposal	

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<u>Handling and Storage</u>	
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. -20°C desiccated and protected from light	
<u>Exposure Controls / Personal Protection</u>	
<u>Personal Protection</u>	
Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).	
Hand protection Handle with gloves.	
Eye protection Safety glasses with side-shields conforming to EN166	
Skin and body protection Choose body protection according to the amount and concentration of the dangerous substance at the work place.	
<u>ACGIH/OSHA Permissible Exposure Limit Data</u>	
Not determined	
<u>Physical and Chemical Properties</u>	
<i>Form:</i>	Solid
<i>Odor:</i>	Not determined
<i>Melting Point:</i>	Not determined
<i>Flash Point:</i>	Not determined
<u>Stability and Reactivity</u>	
<i>Stability:</i>	Stable under recommended storage conditions
<i>Hazardous decomposition products:</i>	Carbon oxides, Nitrogen oxides, Hydrogen bromide gas
<u>Toxicological Information</u>	
<i>Acute Toxicity:</i>	LD50 Oral - rat - 8,400 mg/kg
<i>Health Hazards:</i>	May cause skin irritation. May be harmful if absorbed through skin. May cause eye irritation. May be harmful if inhaled. May be harmful if swallowed.
<i>Carcinogenicity:</i>	Not listed by NTP, IARC or OSHA.
<i>RTECS #:</i>	YU7350000
<i>Target Organs:</i>	Immune system
<i>Mutagenicity:</i>	Genotoxicity in vitro - rat - Embryo DNA damage Genotoxicity in vivo - rat - Subcutaneous DNA inhibition
<u>Ecological Information</u>	
Do not allow product to reach ground water, watercourse, or sewage system.	

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Disposal Considerations

Consult local, state or national regulations for proper disposal.

Transport Information

This substance is considered to be non-hazardous for transport

Regulations

<i>SARA 311/312 hazard:</i>	Chronic Health Hazard
<i>California Prop. 65 Components:</i>	This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Other Information

It is not intended for food, drug, household, agricultural or cosmetic use. A technically qualified individual experienced in handling potentially hazardous chemicals must supervise its use. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. AnaSpec shall not be held liable for any damage resulting from handling or from contact with the above product.