SIGMA-ALDRICH

Material Safety Data Sheet

Version 3.0 Revision Date 08/30/2009 Print Date 04/03/2011

RODUCT AND COMPA				
Product name	: 4-Bromo-2,2-0	liphenylbutyronitrile		
Product Number	: B65004			
Brand	: Aldrich			
Company	: Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103			
Talaabaaa	USA	, ,		
Telephone Fax	: +1 800-325-5832 : +1 800-325-5052			
Emergency Phone #	: (314) 776-6555			
OMPOSITION/INFORM	ATION ON INGREDIENTS			
Formula	: C ₁₆ H ₁₄ BrN			
Molecular Weight	: 300.19 g/mol			
CAS-No.	EC-No.	Index-No.	Concentration	
4-Bromo-2,2-dipheny				
00400 50 0				
39186-58-8	254-337-5	-	-	
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General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

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. Consult a physician.

In case of eye contact

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

If swallowed

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

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point no data available

Ignition temperature no data available

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

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

Keep in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

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

For prolonged or repeated contact use protective 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.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	powder
Colour	light yellow
Safety data	
рН	no data available
Melting point	67 - 69 °C (153 - 156 °F) - lit.
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	no data available

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents, Strong acids, Strong bases

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen bromide gas, Hydrogen cyanide (hydrocyanic acid)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

IARC:

No component of this product present at levels greater than or equal to 0.1% is identified as

probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen by NTP. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Signs and Symptoms of Exposure To the bast of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Potential Health Effects May be harmful if inhaled. May cause respiratory tract initiation. Signs and Symptoms of Exposure May be harmful if shabothed through skin. May cause skin initiation. Signs and substantial Health Effects May be harmful if shabothed through skin. May cause skin initiation. Signs and substantial the effects May be harmful if shabothed through skin. May cause skin initiation. Signs and substantiation information (persistence and degradability) no data available Further information on ecology no data available Signs of as unused product. It reals product. 11. DISPOSAL CONSIDERATIONS Product Detrogenet all federal, state, and local environmental regulations. Contaniminated packaging Dispose of a								
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DSL Status

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

4-Bromo-2,2-diphenylbutanenitrile

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: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components		
4-Bromo-2,2-diphenylbutanenitrile	CAS-No. 39186-58-8	Revision Date
New Jersey Right To Know Components		
4-Bromo-2,2-diphenylbutanenitrile	CAS-No. 39186-58-8	Revision Date

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

16. OTHER INFORMATION

Further information

Copyright 2009 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Co., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

CAS-No.

39186-58-8