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MATERIAL SAFETY DATA SHEET

Date updated: November 11, 2011

Section 1 - Product and Company Information

Product Name **Z-1-Bromo-2-phenylethylene, 97%;** Product Number **DL**

Section 2 - Composition/Information on Ingredient

Substance Name	CAS #	SARA 313	Formula
Z-1-Bromo-2-phenylethylene	103-64-0	No	C₈H₇Br

Section 3 - Hazards Identification

HMIS RATING

HEALTH: **0** FLAMMABILITY: **Not flammable.** REACTIVITY: **0**

NFPA RATING

HEALTH: **0** FLAMMABILITY: **0** REACTIVITY: **0**

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

FLASH POINT	N/A	AUTOIGNITION TEMP	N/A	FLAMMABILITY	N/A
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EXTINGUISHING MEDIA

Suitable: **Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.**

FIREFIGHTING

Be prepared to fight fire. Eliminate ignition sources.

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

Specific Hazard(s): **Emits toxic fumes under fire conditions.**

Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Do not flush spill to drain. Mix with large amounts of dry inert absorbent material such as dry soda ash or dry sand. Scoop solids into a dry metal container, properly dispose of all

residues immediately. Take immediately to waste handling area. Handle in compliance with all local, state, and federal laws and regulations.

Section 7 - Handling and Storage

HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed. Store in a cool dry place.

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Government approved respirator.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance	brown oils		
Property	Value	At Temperature or Pressure	
Molecular Weight	183.05		
pH	N/A	BP/BP Range	N/A
BP/BP Range	N/A	Freezing Point	N/A
Vapor Pressure	N/A	Vapor Density	N/A
Saturated Vapor Conc.	N/A	SG/Density	N/A
Bulk Density	N/A	Odor Threshold	N/A
Volatile%	N/A	VOC Content	N/A
Water Content	N/A	Solvent Content	N/A
Evaporation Rate	N/A	Viscosity	N/A
Surface Tension	N/A	Partition Coefficient	N/A
Decomposition Temp.	N/A	Flash Point	N/A
Explosion Limits	N/A	Flammability	N/A
Autoignition Temp	N/A	Refractive Index	N/A
Optical Rotation	N/A	Miscellaneous Data	N/A
Solubility	N/A		

N/A = not available

Section 10 - Stability and Reactivity

STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents, strong bases, strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Boron oxides.

HAZARDOUS POLYMERIZATION

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.
Eye Contact: May cause eye irritation.
Inhalation: Material may be irritating to mucous membranes and upper respiratory tract.
Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

TOXICITY DATA

No information found for the product.
For pinacol, LD50(oral-mouse): 3380 mg/kg.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Dissolve 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 environmental regulations.

Section 14 - Transport Information

DOT

Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

Section 16 - Other Information

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

WARRANTY

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. AllyChem Co. shall not be held liable for any damage resulting from handling or from contacting with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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