



# Material Safety Data Sheet

Catalog Number: 154874  
Revision date: 24-Apr-2006

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY INFORMATION

Catalog Number: 154874

Product name: BROMODIPHENYLMETHANE

Synonyms: Benzhydryl bromide; Diphenylmethyl bromide

**Supplier:**

MP Biomedicals, LLC  
29525 Fountain Parkway  
Solon, OH 44139  
tel: 440-337-1200

Emergency telephone number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA Exposure Limits:
BROMODIPHENYLMETHANE	776-74-9	90 - 100%	None	None

## 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** The product causes burns of eyes, skin and mucous membranes, Water Reactive

**Category of Danger:**

Corrosive , Water Reactive, Lachrymator

**Principle routes of exposure:** Skin

**Inhalation:** Vapors or dusts will cause burns of respiratory passages.

**Ingestion:** Can burn mouth, throat, and stomach

**Skin contact:** Causes skin burns

**Eye contact:** Causes eye burns

Vapors extremely irritating to eyes an respiratory tract

**ANSI Classification** Corrosive, Irritant - eye, severe

**Statements of hazard** CAUSES BURNS TO SKIN AND EYES

VAPORS OR MISTS CAN IRRITATE OR BURN THE RESPIRATORY TRACT.

Reacts violently with water.

CAUSES EYE IRRITATION.

**Statement of Spill or Leak - ANSI Label** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment.

**Statement of First Aid** In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. If swallowed, DO NOT induce vomiting. Get medical attention immediately. In case of contact, flush eyes with running water for at least 15 minutes. Consult a physician for irritation or any other symptom.

**Precautions - ANSI Label** Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not breathe dust Do not swallow. Avoid contact with skin and eyes Do not breathe vapors or spray mist

#### 4. FIRST AID MEASURES

**General advice:** Take off contaminated clothing and shoes immediately.

**Inhalation:** Call a physician immediately Move to fresh air Consult a physician

**Skin contact:** Rinse immediately with plenty of water and seek medical advice Wash off immediately with plenty of water for at least 15 minutes Call a physician immediately

**Ingestion:** Do not induce vomiting without medical advice. Do not induce vomiting. Call a physician immediately.

**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes Call a physician immediately Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**Protection of first-aiders:** No information available

**Medical conditions aggravated by exposure:** None known

#### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:**

Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam

**Specific hazards:**

Burning produces irritant fumes.

**Unusual hazards:**

None known

**Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Specific methods:**

Water mist may be used to cool closed containers.

**Flash point:**

Not determined

**Autoignition temperature:**

Not determined

**NFPA rating:**

NFPA Health:	2
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Note:	ox

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

**Environmental precautions:**

Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up:**

Soak up with inert absorbent material.

#### 7. HANDLING AND STORAGE

**Storage:**

ROOM TEMPERATURE

**Handling:**

Use only in area provided with appropriate exhaust ventilation.

**Safe handling advice:**

Wear personal protective equipment.

**Technical measures/storage conditions:**

Keep containers tightly closed in a cool, well-ventilated place.

**Incompatible products:**

Oxidising and spontaneously flammable products

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Ensure adequate ventilation.

**PERSONAL PROTECTIVE EQUIPMENT**

**Respiratory protection:** Breathing apparatus only if aerosol or dust is formed.

**Hand protection:** Pvc or other plastic material gloves

**Skin and body protection:** Impervious clothing Long sleeved clothing

**Eye protection:** Safety glasses with side-shields

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Solid
<b>Formula:</b>	C <sub>13</sub> H <sub>11</sub> Br
<b>Melting point/range:</b>	40 - 42°C
<b>Boiling point/range:</b>	184°C
<b>Density:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Solubility (in water):</b>	Insoluble (reacts with water)
<b>Flash point:</b>	Not determined
<b>Autoignition temperature:</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Polymerization:</b>	None under normal processing.
<b>Hazardous decomposition products:</b>	Bromine
<b>Materials to avoid:</b>	Bases Amines Oxidising agents Water Alcohols Corrodes steel.
<b>Conditions to avoid:</b>	Exposure to air or moisture over prolonged periods.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Acute toxicity

##### Components

BROMODIPHENYLMETHANE

##### RTECS Number:

Not Available

##### Selected LD50s and LC50s

Not Determined

<b>Chronic toxicity:</b>	Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.
<b>Local effects:</b>	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
<b>Specific effects:</b>	May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.
<b>Primary irritation:</b>	No data is available on the product itself.
<b>Carcinogenic effects:</b>	No data is available on the product itself.
<b>Mutagenic effects:</b>	No data is available on the product itself.
<b>Reproductive toxicity:</b>	No data is available on the product itself.

## 12. ECOLOGICAL INFORMATION

### Mobility:

No data available

Catalog Number: 154874

Product name: BROMODIPHENYLMETHANE

**Bioaccumulation:** No data available  
**Ecotoxicity effects:** No data available  
**Aquatic toxicity:** May cause long-term adverse effects in the aquatic environment.

<b>Components</b> BROMODIPHENYLMETHANE	<b>U.S. DOT - Appendix B - Marine Pollutan</b> Not Listed	<b>U.S. DOT - Appendix B - Severe Marine Pollutants</b> Not Listed	<b>United Kingdom - The Red List:</b> Not Listed
<b>Components</b> BROMODIPHENYLMETHANE	<b>Germany VCI (WGK)</b> Not Listed	<b>World Health Organization (WHO) - Drinking Water</b> Not Listed	<b>Ecotoxicity - Fish Species Data</b> Not Listed
<b>Components</b> BROMODIPHENYLMETHANE	<b>Ecotoxicity - Freshwater Algae Data</b> Not Listed	<b>Ecotoxicity - Microtox Data</b> Not Listed	<b>Ecotoxicity - Water Flea Data</b> Not Listed
<b>Components</b> BROMODIPHENYLMETHANE	<b>EPA - ATSDR Priority List</b> Not Listed	<b>EPA - HPV Challenge Program Chemical List</b> Not Listed	<b>California - Priority Toxic Pollutants</b> Not Listed
<b>Components</b> BROMODIPHENYLMETHANE	<b>California - Priority Toxic Pollutants</b> Not Listed	<b>California - Priority Toxic Pollutants</b> Not Listed	

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

**Contaminated packaging:** Do not re-use empty containers  
**Methods for cleaning up:** Soak up with inert absorbent material.

### 14. TRANSPORT INFORMATION

**UN/Id No:** 1770

**DOT:**

**Proper shipping name:** Diphenylmethyl bromide  
**IATA Hazard Label(s):** Corrosive  
**Hazard Class:** 8 - Corrosive materials  
**Packing group:** II

**Emergency Response Guide Number (ERG):** 153

<b>Components</b> BROMODIPHENYLMETHANE	<b>U.S. DOT - Appendix A Table 1 - Reportable Quantities</b> Not Listed
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**TDG (Canada):**

WHMIS hazard class:

E corrosive material



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**IMDG/IMO**

Proper shipping name:

Diphenylmethyl bromide

**IMDG - Hazard Classifications**  
**IMDG - Regulated Substances**

IMDG class or division = 8  
UN1770

**Components**

**U.S. DOT - Appendix B - Marine Pollutant**

**U.S. DOT - Appendix B - Severe Marine Pollutants**

BROMODIPHENYLMETHANE

Not Listed

Not Listed

**IMO-labels:**

**15. REGULATORY INFORMATION**

**International Inventories**

**Components**

BROMODIPHENYLMETHANE

**Inventory - United States TSCA - Sect. 8(b)**

Present

**Canada DSL Inventory List -**

Not Listed

**Canada NDSL Inventory List -**

C13H11Br

**EU EINECS List -**

212-279-8; C13H11Br

**Philippines PICCS:**

Present

**U.S. regulations:**

**Components**

**California Proposition 65**

**Massachusetts Right to Know List:**

**New Jersey Right to Know List:**

**Pennsylvania Right to Know List:**

BROMODIPHENYLMETHAN  
E

-  
Not Listed

Not Listed

sn 0801

Not Listed

**Components**

**Florida substance List:**

**Rhode Island Right to Know List:**

**Illinois - Toxic Air Contaminants**

**Connecticut - Hazardous Air Pollutants**

BROMODIPHENYLMETHAN  
E

Not Listed

Not Listed

Not Listed

Not Listed

**Components**

**SARA 313 Emission reporting/Toxic Release of Chemicals**

**CERCLA/SARA - Section 302 Extremely Haz NTP:**

**IARC:**

BROMODIPHENYLMETHAN  
E

Not Listed

Not Listed

None

None

**SARA 313 Notification:**

The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Ammendments and Reauthorization Act of 1986 and 40 CFR Part 372.

If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in Washington, DC or Alaska).

**State Notification:**

The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

**16. OTHER INFORMATION**

**Prepared by:** Health & Safety

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**End of Safety Data Sheet**