



**SIGMA-ALDRICH**

**Material Safety Data Sheet**

Date Printed: 04/04/2008  
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Version 1.30

**Section 1 - Product and Company Information**

**Product Name** Bulvar B-98  
**Product Number** B0154  
**Brand** Sigma Chemical  
**Company** Sigma-Aldrich  
**Street Address** 3050 Spruce Street  
**City, State, Zip, Country** SAINT LOUIS, MO 63103 US  
**Technical Phone:** 800-325-5832  
**Fax:** 800-325-5052  
**Emergency Phone:** 314-776-6555

**Section 2 - Composition/Information on Ingredient**

<u>Substance Name</u>	<u>CAS #</u>	<u>SARA 313</u>	<u>EC no</u>	<u>Annex I Index Number</u>
BUTVAR B-98	63148-65-2	No		

**Formula**  
**Synonyms** Bulvar, Polyvinylbutyral (Czech), Polyvinyl butyral resins

**Section 3 - Hazards Identification**

**Emergency Overview**

Irritant.  
Irritating to eyes, respiratory system and skin.

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.

**Dermal Exposure**

Flush skin with 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**

**Autoignition Temp:** N/A

**Extinguishing Media**

**Suitable**

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

**Firefighting**

**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.

**Exposure Hazard(s)**

**Material**

Irritant.

**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.

**Section 7 - Handling and Storage**

**Handling**

**User Exposure**

Do not breathe dust. Avoid contact with eyes, skin, and clothing.

**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.

**Personal Protective Equipment**

**Other**

Wear appropriate government approved respirator, chemical resistant gloves, safety goggles, other protective clothing.

**General Hygiene Measures**

Wash thoroughly after handling.

**Section 9 - Physical/Chemical Properties**

<b>Molecular Weight</b>	N/A
<b>pH</b>	N/A
<b>BP/BP Range</b>	N/A
<b>MP/MP Range</b>	N/A
<b>Freezing Point</b>	N/A
<b>Vapor Pressure</b>	N/A
<b>Vapor Density</b>	N/A
<b>Saturated Vapor Conc.</b>	N/A
<b>SG/Density</b>	N/A

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Safety & Environmental Health

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  
Partition Coefficient N/A  
Decomposition Temp. N/A  
Flash Point °F N/A  
Flash Point °C N/A

Explosion Limits N/A

Flammability N/A  
Autoignition Temp N/A  
Solubility N/A

N/A = not available

### Section 10 - Stability and Reactivity

#### Stability

##### Materials to Avoid

Strong oxidizing agents

#### Hazardous Decomposition Products

Hazardous Decomposition Products  
Carbon monoxide, Carbon dioxide

### Section 11 - Toxicological Information

#### Route of Exposure

##### Inhalation

Material is irritating to mucous membranes and upper respiratory tract.

##### Multiple Routes

May be harmful by inhalation, ingestion, or skin absorption. Causes eye and skin irritation.

RTECS Number: TR4955000

#### Irritation Data

Eyes - Rabbit: 100 mg 24H

Remarks: Moderate irritation effect

### 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 nonhazardous for transport.

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#### IATA

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

### Section 15 - Regulatory Information

#### EU Additional Classification

Symbol of Danger: Xi

Indication of Danger

Irritant.

Risk Statements R: 36/37/38

Irritating to eyes, respiratory system and skin.

Safety Statements S: 26 36

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

#### US Classification and Label Text

Indication of Danger

Irritant.

Risk Statements

Irritating to eyes, respiratory system and skin.

Safety Statements

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

#### United States Regulatory Information

SARA Listed: No

TSCA Inventory Item: Yes

#### 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: Yes

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. SigmaAldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice packing slip for additional terms and conditions of sale. Copyright 2008 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

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