

**Section 1 Chemical Product and Company Identification**

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**HOME SCIENCE TOOLS**

665 Carbon Street  
Billings, MT 59102  
800-860-6272  
www.homesciencetools.com

**CHEMTREC 24 Hour Emergency USA**  
**Phone Number (800) 424-9300**  
**1 703-741-5500 (from anywhere in the world).**  
For laboratory and industrial use only.  
Not for drug, food or household use.

**Product** METHYLENE BLUE CHLORIDE, 1% AQUEOUS SOLUTION**Synonyms** Methylene Blue Chloride, Water Solution**Section 2 Hazards Identification**

**Signal word:** WARNING  
**Pictograms:** No symbol required  
**Target organs:** None known

**GHS Classification:**  
Acute toxicity, oral (Category 5)

**GHS Label information:**  
**Hazard statement(s):**  
H303: May be harmful if swallowed.

**Precautionary statement(s):**  
P312: Call a POISON CENTER or doctor if you feel unwell.

**Hazards not otherwise classified:**

Health hazards not otherwise classified (HHNOC) - Not Known  
Physical hazards not otherwise classified (PHNOC) - Not Known

**Section 3 Composition / Information on Ingredients**

Chemical Name	CAS #	%	EINECS
Water	7732-18-5	98.8%	231-791-2
Methylene blue chloride	61-73-4	1.0%	200-515-2
Sodium benzoate, as preservative	532-32-1	0.2%	208-534-8

**Section 4 First Aid Measures**

**INGESTION:** MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**EYE CONTACT:** MAY CAUSE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

**SKIN ABSORPTION:** MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

**Section 5 Fire Fighting Measures**

**Suitable Extinguishing Media:** Use any media suitable for extinguishing supporting fire.

**Protective Actions for Fire-fighters:** In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

**Specific Hazards:** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Section 6 Accidental Release Measures**

**Personal Precautions:** Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

**Environmental Precautions:** Avoid runoff into storm sewers and ditches which lead to waterways.

**Containment and Cleanup:** Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**Precautions for Safe Handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

**Conditions for Safe Storage:** Store in a cool, well-ventilated area away from incompatible substances.

## Section 8 Exposure Controls / Personal Protection

Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
	Methylene blue chloride	None established.	None established.	None established.

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

**Respiratory protection:** None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

## Section 9 Physical &amp; Chemical Properties

<b>Appearance:</b> Dark blue liquid. <b>Odor:</b> No odor. <b>Odor threshold:</b> Data not available. <b>pH:</b> Data not available. <b>Melting / Freezing point:</b> ~0°C (32°F) (water) <b>Boiling point:</b> ~100°C (212°F) (water) <b>Flash point:</b> Data not available.	<b>Evaporation rate ( Water = 1):</b> <1 <b>Flammability (solid/gas):</b> Data not available. <b>Explosion limits: Lower / Upper:</b> Data not available. <b>Vapor pressure (mm Hg):</b> 14 (water) <b>Vapor density (Air = 1):</b> 0.7 (water) <b>Relative density (Specific gravity):</b> Approximately 1.1 <b>Solubility(ies):</b> Complete in water.	<b>Partition coefficient:</b> Data not available. <b>Auto-ignition temperature:</b> Data not available. <b>Decomposition temperature:</b> Data not available. <b>Viscosity:</b> Data not available. <b>Molecular formula:</b> Mixture <b>Molecular weight:</b> Mixture
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## Section 10 Stability &amp; Reactivity

**Chemical stability:** Stable  
**Hazardous polymerization:** Will not occur.  
**Conditions to avoid:** Excessive temperatures which cause evaporation. Stable under recommended storage conditions.  
**Incompatibilities with other materials:** Strong oxidizing materials and reducers.  
**Hazardous decomposition products:** Sulfur oxides, nitrogen oxides, hydrogen chloride gas.

## Section 11 Toxicological Information

**Acute toxicity:** Oral-rat LD50: 1180 mg/kg [Methylene blue chloride] / Oral-rat LD50: 2100 mg/kg [Sodium benzoate]  
**Skin corrosion/irritation:** Data not available  
**Serious eye damage/irritation:** Data not available  
**Respiratory or skin sensitization:** Data not available  
**Germ cell mutagenicity:** Data not available  
**Carcinogenicity:**  
 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.  
 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.  
**Reproductive toxicity:** Data not available  
**STOT-single exposure:** Data not available  
**STOT-repeated exposure:** Data not available  
**Aspiration hazard:** Data not available  
**Potential health effects:**  
 Inhalation: May cause respiratory irritation.  
 Ingestion: May be harmful if swallowed.  
 Skin: Contact with skin may cause irritation.  
 Eyes: Contact with eyes may cause irritation.  
**Signs and symptoms of exposure:** To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.  
**Additional information: RTECS #:** SP5740000 [Methylene blue chloride] / DH6650000 [Sodium benzoate]

## Section 12 Ecological Information

**Toxicity to fish:** No data available  
**Toxicity to daphnia and other aquatic invertebrates:** No data available  
**Toxicity to algae:** No data available  
**Persistence and degradability:** No data available  
**Bioaccumulative potential:** No data available  
**Mobility in soil:** No data available  
**PBT and vPvB assessment:** No data available  
**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## Section 13 Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

## Section 14 Transport Information (US DOT / CANADA TDG)

**UN/NA number:** Not applicable  
**Shipping name:** Not Regulated  
**Hazard class:** Not applicable  
**Packing group:** Not applicable  
**Reportable Quantity:** No  
**Marine pollutant:** No  
**Exceptions:** Not applicable  
**2016 ERG Guide #:** Not applicable

## Section 15 Regulatory Information

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

Component	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Methylene blue chloride	Listed	Not listed	Not listed	Listed	Not listed	This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.
Sodium benzoate	Listed	Not listed	Not listed	Listed	Not listed	

## Section 16 Other Information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

# MATERIAL SAFETY DATA SHEET

04/03/2018

## 1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER OR DISTRIBUTOR : Bangkit USA INC  
10511 Valley Boulevard  
El Monte, CA 91731

INFORMATION TELEPHONE NUMBER : 626-672-0888

EMERGENCY TELEPHONE NUMBER : Call Local Poison Control Center

PRODUCT NAME : BAZIC MODELING DOUGHS

## 2. COMPOSITION ON INGREDIENTS

INGREDIENT NAME	CAS#
Starch Soluble	9005-84-9
Water	7732-18-5
Sodium Chloride	7647-14-5
Glycerol	56-81-5
Pigment Colors	

## 3. HAZARD IDENTIFICATION

This product, when used under reasonable conditions and accordance with the normal use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's direction for use may affect the performance of the product and may present potential health and safety hazards.

## POTENTIAL HEALTH EFFECTS

Eye Contact : is not expected to occur during normal use of the product.  
Skin Contact : is not expected to result in significant irritation during product use.  
Inhalation : is not expected to occur during normal use of the product.  
Ingestion : no health effects are expected.

#### 4. FIRST AID MEASURES

Skin contact : No effect of exposures expected.  
Eye contact : No effect of exposure expected.  
Inhalation : No effect of exposure expected.  
Ingestion : If the product is swallowed, please contact physician immediately.

#### 5. FIRE FIGHTING MEASURES

##### FLAMMABLE PROPERTIES

Flammable : N/A  
Flash point : 350° C

##### EXTINGUISHING MEDIA

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam )

##### PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures : water may be used to blanket the fire  
Unusual Fire and Explosion Hazards : no unusual fire or explosion hazards are anticipated.

#### 6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures : Not Applicable

#### 7. HANDLING AND STORAGE

##### HANDLING

Use methods to minimize dust.

##### STORAGE

Store and handle in accordance with all current regulations and standards. See original containers for storage recommendations. Keep separated from incompatible substances.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### ENGINEERING CONTROLS

Not Applicable

##### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection : Not Applicable.  
Skin Protection : Not applicable. Gloves not normally required. Avoid prolonged or repeated skin contact.  
Respiratory Protection : Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.  
Prevention of Swallowing : Not an expected route of exposure.

#### EXPOSURE GUIDELINES

None Established

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Solid	Flash Point	: N/A
Physical State	: Solid	Flammability	: N/A
Physical Form	: Solid	Vapor Pressure	: N/A
Color	: Assorted colors	Vapor Density (air=1)	: N/A
Odor	: Odorless	Evaporation Rate	: N/A
Odor Threshold	: N/A	Specific Gravity	: N/A
pH	: N/A	Density	: N/A
Melting Point	: N/A	Water Solubility	: N/A
Freezing Point	: N/A	Coeff. Water/Oli Dist	: N/A
Boiling Point	: N/A	Volatility	: N/A
Viscosity	: N/A		

#### 10. STABILITY AND REACTIVITY

Chemical Stability : Stable at normal temperatures and pressure.  
Conditions to Avoid : None reported.  
Materials to Avoid : Oxidizing materials.  
Decomposition Products : Oxides of carbon.  
Possibility of Hazardous Reactions : Will not polymerize.

#### 11. TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

#### 12. ECOLOGICAL INFORMATION

##### ECOTOXICOLOGICAL INFORMATION

Not determined

## CHEMICAL FATE INFORMATION

Not determined

## 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method : Dispose in accordance with all applicable regulations

Since regulations vary, consult applicable regulations or authorities before disposal.

## 14. TRANSPORT INFORMATION

No special requirement

## 15. REGULATORY INFORMATION

Not available

## 16. OTHER INFORMATION

Not available

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