

MATERIAL SAFETY DATA SHEET

Version: 1.6

Date:
09/17/2008

Safety Data Sheet Status: Released



1. PRODUCT AND COMPANY IDENTIFICATION

BULLSEYE® BLUE 2X2.5

Product Information: BULLSEYE® BLUE 2X2.5

Company Identification:

Milliken Chemical
P.O. Box 1926
Spartanburg, SC, 29303 USA
1-864-472-9041
msds@milliken.com



Emergency Telephone Number:

Chemtrec:
1-800-424-9300 (Chemtrec - US)
1-703-527-3887 (International)

2. HAZARDS IDENTIFICATION

Emergency Overview

This material is a concentrated colorant. The health hazards of this product should be low under normal industrial and commercial uses. Do not allow material to enter soil or surface water.

HFRP Rating

Health	1
Flammability	1
Reactivity	0
Personal protection	B

Eye

May cause eye irritation. Not known to cause permanent injury to eye tissue.

Inhalation

No information regarding inhalation available.

Skin

Prolonged or repeated skin contact may cause irritation. Not expected to be a skin irritant

Ingestion

Essentially non-toxic.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Product name	CAS Number	Amount
Proprietary Colorant Blend	Proprietary	100.0 %

4. FIRST AID MEASURES

Eye	Flush thoroughly with water. If irritation occurs, get medical assistance.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Get medical attention if any discomfort continues.
Skin	Wash skin thoroughly with soap and water for several minutes. Immediately remove contaminated clothing. Get medical attention if any discomfort continues.
Ingestion	Give one or two glasses of water if patient is alert and able to swallow. Seek immediate medical attention. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Flash Point > 260.0 °C
Method: Cleveland Open Cup

Fire Fighting Instructions Use standard firefighting procedures and consider the hazards of other involved materials. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Unusual Fire & Explosion Hazards Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

Safety Advice Non-hazardous substance. Wear appropriate personal protective equipment.

Spill Cleanup Methods This material is a concentrated colorant. Do not allow material to enter soil or surface water. Dam and absorb spillage with sand, sawdust or other absorbent. In case of spills, beware of slippery floors and surfaces. Report

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spills as required to appropriate authorities.

7. HANDLING AND STORAGE

Handling	No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. Wash promptly with soap and water if skin becomes contaminated. Practice good housekeeping. Provide adequate ventilation if fumes or vapors are generated. Wash promptly if skin becomes contaminated. Avoid prolonged contact with skin or eyes.
Handling / Physical Hazards	Avoid extreme temperatures.
Storage Precautions	Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	No special requirements under ordinary conditions of use and with adequate ventilation.
Eye protection	Wear necessary protective equipment. Avoid contact with eyes and prolonged skin contact. Where contact with this material is likely, chemical goggles are recommended.
Skin and Body Protection	Wash promptly with soap and water if skin becomes contaminated. Wear protective gloves to minimize skin contamination. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.
Personal protection	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Respiratory Protection	No protection is ordinarily required under normal conditions of use and with adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

State of Matter	Liquid
Color	Dark blue
Odor	Mild sweet

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pH	3.5 - 5.5
Specific Gravity	1.116
Volatiles	40 %
Solubility (in Water)	Completely Soluble
Boiling Point	100 °C
Melting Point	< 0 °C

10. STABILITY AND REACTIVITY

Conditions to Avoid	No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the MSDS for additional personal protection advice when handling this product.
Hazardous Polymerization	Hazardous polymerization will not occur.
Hazardous decomposition products	Decomposition will not occur if handled and stored properly.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : Oral

Type: LD50
Species: Rat
Result: > 5,000 mg/kg
No test data are available for the complete formulated material. The potential health hazards described were based upon a comparison with similar materials.

Skin irritation.

Species: Rabbit
Slightly irritating. No test data are available for the complete formulated material. The potential health hazards described were based upon a comparison with similar materials.

Eye Irritation

Species: Rabbit
Slightly irritating.

Skin Sensitization

Species: Guinea Pig
Not a skin sensitizer.

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Genetic Toxicity - in Vitro

Type: Ames Assay
Result: Negative

12. ECOLOGICAL INFORMATION

Acute Toxicity Aquatic

Species: Ceriodaphnia
Exposure time: 48 h
Result: 3,574 mg/l

13. DISPOSAL CONSIDERATIONS

Disposal Recommendations

This material is a concentrated colorant. Avoid washing material into sewer systems without proper treatment and authorization by the treatment facility management. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle empty drums at an appropriate facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal. Ensure drums are tightly sealed.

14. TRANSPORT INFORMATION

Transport classifications may vary by container volume and may be influenced by regional or country variations in regulations.

15. REGULATORY INFORMATION

Chemical Inventory

All ingredients are either listed or exempt from listing on TSCA.

Regulatory Lists Searched	Component
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16. OTHER INFORMATION

The information contained in this Material Safety Data Sheet is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Milliken Chemical.

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