

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Blazon® Blue Spray Pattern Indicator
Chemical Family: Polymeric Colorant
CAS Number: Proprietary

Company Identification

Milliken Chemical
P.O. Box 817
1440 Campton Road
Inman, SC 29349 USA
1-864-472-9041 (For questions and emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

PRODUCT USE:

Colorant.

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
WATER	70.0 %	7732-18-5
PROPRIETARY COLORANT	30.0 %	Proprietary

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

The health hazards of this product should be low under normal industrial and commercial uses. May cause skin or eye irritation after repeated or prolonged contact. This material is a concentrated colorant.

HMIS Rating:

Health - 0
Flammability - 0
Reactivity - 0
Personal Protection Index - B

NFPA Rating:

Health - 0
Flammability - 0
Reactivity - 0
Special Hazard - None



POTENTIAL HEALTH EFFECTS

EYE:

Not an eye irritant. No hazards expected in normal industrial use at room temperature.

SKIN:

Prolonged or repeated skin contact may cause irritation. No hazards expected in normal industrial use at room temperature.

INHALATION:

No information regarding inhalation available. No known hazards in normal industrial use.

INGESTION:

Essentially non-toxic. No hazards expected in normal industrial use.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Wash affected area with large amounts of soap and water. Get medical attention if irritation develops or persists.

INHALATION FIRST AID:

Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if cough or other symptoms develop.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Contact a physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: > 260.0 C (> 500.0 F)

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Water, carbon dioxide, foam or dry powder.

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire/explosion situation.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Avoid breathing smoke, fumes, and decomposition products. Contain runoff water. Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

6. ACCIDENTAL RELEASE MEASURES



SPILL PROCEDURE:

This material is a concentrated colorant. Water will increase the amount of colorant contamination. Do not allow material to enter soil or surface water. Clean up area by absorbent material. Take up and place in secure closed containers. All waste materials should be packaged, labeled, and transported in accordance with all national, state/provincial, and local requirements.

INITIAL CONTAINMENT:

Do not allow material to enter soil or surface water.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

HANDLING (PHYSICAL ASPECTS):

Avoid extreme temperatures. Keep container closed to avoid contamination.

STORAGE PRECAUTIONS:

Protect containers from physical damage. Do not stack drums more than three pallets high.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control airborne levels.

EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses. Where contact with this material is likely, chemical goggles are recommended.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination. For brief contact, normal work attire should be sufficient. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special respiratory protective equipment is required.

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Dark Blue
ODOR:	Slight, sweet odor
BOILING POINT:	215 F
VAPOR PRESSURE:	N/A mm Hg
VAPOR DENSITY:	N/A (Air = 1)
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.07 (Water = 1)
MELTING/FREEZING POINT:	< 32 F
PH:	Mildly acidic
% VOLATILES:	70 (approx) %



10. STABILITY AND REACTIVITY

STABILITY:

This compound is stable at ambient conditions.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly.

11. TOXICOLOGICAL INFORMATION

Blazon® Blue Spray Pattern Indicator

Test Code: Acute Oral Toxicity Study

Species: Rat

Results: The product tested has an oral LD50 > 5000 mg/kg

Test Code: Primary Dermal Irritation

Species: Rabbit

Results: The product tested is minimally irritating

Test Code: Primary Ocular Irritation and Reversibility

Species: Rabbit

Results: The product tested is not a primary eye irritant

Test Code: Ames Assay

Species: Salmonella

Results: The product tested is considered non-mutagenic under the test conditions

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Uncleaned empty containers should be disposed of in the same manner as the contents. Due to the highly concentrated color, avoid washing material into sewer systems without proper treatment and authorization by the treatment facility management. All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL:

Blazon® Blue Spray Pattern Indicator

D.O.T. HAZARD CLASS:

Non-Hazardous



15. REGULATORY INFORMATION

CHEMICAL INVENTORY INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS).

WHMIS Hazard Symbols:

None

16. OTHER INFORMATION

PREPARED BY:	John Bruhnke
APPROVED BY:	Dr. Bob Mahaffey
TITLE:	Senior Development Chemist
APPROVAL DATE:	February 8, 2002
SUPERCEDES DATE:	November 1, 1998
MSDS NUMBER:	710190

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END OF MSDS

