

HIGHWAY MARKING TAPES: Series 100, 200, 1000, 2000 & Deltaline

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This material safety data sheet (MSDS) is provided as a courtesy for customers to properly use, install, and dispose of Brite-Line Technologies' road marking tapes. These products are not regulated; and as these road marking products do not present a safety or health hazard under normal use conditions (as provided in 29 CFR 1910.1200), no MSDS is required.

If these products are used under not recommended conditions, it is possible that these products could potentially present a safety and/or health hazard and/or experience changes in product performance. Always follow the Brite-Line Technologies product use recommendations unless otherwise instructed by Brite-Line Technologies.

1. Product and Company Identification

Product Identifiers: Series 100, 200, 1000, 2000 Deltaline XRP, Deltaline XRP-R, Deltaline CO, Deltaline MO, Deltaline TWR, Deltaline HCL

Product Codes: 100, 101, 200, 201, 1000, 2000, Deltaline XRP, Deltaline XRP-R, Deltaline CO, Deltaline MO, Deltaline NC, Deltaline TWR, & Deltaline HCL

Manufacturer:
BRITE-LINE® TECHNOLOGIES, LLC
10660 East 51st Avenue
Denver, CO 80239

Emergency phone number:
CHEMTREC 1-800-424-9300

Issue date: 6/06/13
Supersedes date: Original MSDS
Use: Brite-Line Technologies LLC road marking tapes

2. Composition/Information on Ingredients

<u>Components</u>	Wt. %	CAS #
Carbon Black	0-<1	1333-86-4
Titanium Dioxide	0-<3	13463-67-7
Other Inorganic Components (glass beads, fillers)	30-50	N/A
Organic Components (e.g. UV inhibitors, pigments, plasticizers)	2-10	N/A
Polymeric Components (e.g. PU paint, resins, synthetic rubber)	40-60	N/A

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3. Hazards Identification

OSHA Hazardous Components (29 CFR 1910.1200) Exposure Limits - No hazardous components

3.1 Emergency Overview**Product form:** solid – a roll of highway marking tape**Odor:** minimal odor**Color:** white, yellow, black**Immediate environmental, health, physical hazards:** none when used as directed**3.2 Potential health effects****Eyes:** If irritation develops, irrigate with water for 15 minutes. If persists, see a physician.**Skin:** If skin irritation develops, wash with soap and water and wear gloves. If irritation persists, see a physician.**Inhalation:** No known issues.**Ingestion:** No known issues.**3.3 Potential environmental effects**

None are known when product is used per manufacturer's instructions. No hazardous metals or RCRA 40 CFR 261 listed TCLP hazardous substances present at levels that would cause the product to be considered a hazardous waste.

4. First Aid Measures

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are/have been followed.

Eye Contact:

Flush with large amounts of water. If signs or symptoms persist, get medical attention.

Skin Contact:

Wash effected areas with soap and water. If signs or symptoms develop, get medical attention.

Inhalation:

Inhalation is not an expected exposure condition.

Ingestion:

Ingestion is not an expected exposure route. No need for first aid is anticipated.

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5. Fire Fighting Measures**5.1 Flammable properties: solid at room temperature**

Autoignition temperature: unknown
Flash point: unknown
LEL – lower explosive limit: not applicable
UEL – upper explosive limit: not applicable

5.2 Fire Extinguishing Media: for combustible material

Class A fire extinguishers (water/foam)
Class B fire extinguishers (dry chemical/carbon dioxide)

6. Accidental Release Measures

Not applicable

7. Handling and Storage

7.1 Handling: Use ventilation and/or respiratory protection if cutting or grinding.

7.2 Storage: Life of unused product is longest when stored in dry, cool places (e.g. <90 °F).

8. Exposure Controls/Personal Protection**8.1 Engineering controls**

Provide local dust control/exhaust for any cutting or grinding. If dust results, monitor to ensure below OSHA (Occupational Safety and Health Administration) exposure limits for fugitive dust and/or fumes. If can't stay below OSHA limits, provide appropriate respirator equipment. Under normal conditions (i.e. no cutting and/or grinding), no special protection is required.

8.2 Personal protective equipment

Eyes: Avoid eye and face contact

Skin: Gloves not normally recommended; use gloves if any skin irritation develops.

Respiratory: Do not breathe dust from cutting product. Under normal use, usual air exposure is not significant enough to require breathing protection.

Ingestion: Not applicable.

8.3 Exposure guidelines

None established. None required for normal use.

General: If skin irritation occurs as a result of handling, wash affected areas with soap and water and wear protective clothing to avoid future irritation.

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9. Physical and Chemical Properties

Specific Physical Form:	roll of Tape	Color:	white, yellow, black
General Physical Form:	solid	Odor:	minimal
Auto ignition Temperature:	unknown	Flash Point:	unknown
Flammable Limits – LEL:	N/A	Flammable Limits – UEL:	N/A
Boiling Point:	N/A	Melting Point:	no data available
Solubility in Water:	N/A	pH:	N/A
Volatile Compounds:	N/A	Evaporation Rate:	N/A
Vapor Density:	N/A	Vapor Pressure:	N/A
Viscosity:	N/A	Specific Gravity:	N/A

10. Stability and Reactivity**Stability:** Stable under normal conditions**Materials and conditions to avoid:** Fire/burning**Hazardous polymerization:** Will not occur**Hazardous decomposition products:** From burning may include various hydrocarbons, carbon monoxide, carbon dioxide, hydrogen chloride, hydrogen cyanide, oxides of nitrogen, and other organic species.**Hazardous decomposition:** Generally does not occur unless exposed to extreme temperatures and/or burning or other continuous combustion sources.**11. Toxicological Information**

Contact the address on the first page for more information on this product or its constituents.

12. Ecological Information**Ecotoxicological information:** not applicable**Chemical fate information:** not applicable**13. Disposal Considerations****Waste:** Not a hazardous waste as designated by U.S. EPA regulations (40 CFR Part 261.2). Normal solid waste disposal methods are recommended. Typically incinerated at an authorized industrial or commercial incinerator or deposited in an authorized sanitary landfill. Since local regulations vary, consult applicable regulations or authorities before disposal.**14. Transport Information**

No special handling required.

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15. Regulatory Information

These products are considered an "article" as defined by the Federal Occupational Safety and Health Administration (OSHA) Hazard Communication Standard CFR Title 29-1910.1200 (5) (v) & (6) (xii) (c). Such products are considered exempt from the notice requirements since they do not release or otherwise result in exposure to a hazardous chemical under normal conditions of use.

An article, as defined by the law is:

"A manufactured item: (I) which is formed to a specific shape or design during manufacture; (II) which has end-use functions dependent in whole or in part upon its shape or design during end-use, and which does not release, or otherwise result in exposure to, a hazardous chemical under normal conditions of use".

311/312 Hazard Categories:

- a. No fire hazard
- b. No pressure hazard
- c. No reactivity hazard
- d. No immediate hazard
- e. No delayed hazard

State Regulations: See Brite-Line Technologies LLC for more information.

International Regulations: See Brite-Line Technologies LLC for more information.

16. Other Information**NFPA Hazard Classifications:**

Health	0
Flammability	1
Reactivity	0
Special Hazards	none

Brite-Line Technologies LLC has had our highway marking tapes tested by an independent laboratory against the US federal standard test 16CFR1500.44 (1-1-12 edition) for potential flammable solids. Under this standard US test, BLT highway marking tapes were deemed to not be flammable solids (i.e. could not sustain combustion at room temperature even when lit by a source of ignition for 5 seconds).

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Reason for update: This MSDS has been updated to reflect the most current information available for our customers to operate in a safe manner when installing Brite-Line Technologies LLC highway marking tape products. The information on this Material Safety Data Sheet represents our current data and best opinion as to the proper use and handling of this product under normal conditions.

This MSDS has been prepared to meet the United States Hazard Communication Standard 29 CFR 1910.1200.

Brite-Line Technologies, LLC makes no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade. Any use of the products which is not in conformance with this Material Safety Data Sheet, the Product's Technical Data Sheet, or the Product's Application Recommendations which involves using the product in combination with any other product or any other process is the responsibility of the user. Due to the infinite variety of factors that can affect the use and application of a Brite-Line® product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Brite-Line® product to determine its fitness for a particular purpose or application method. It is the user's responsibility to determine if the Brite-Line® product is suitable for a particular purpose and application method.