

## MATERIAL SAFETY DATA SHEET

**Company Name:** TREMCO INC  
**Address:** 3735 GREEN RD  
**City / State / Zip:** BEACHWOOD / OH / 44122  
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**US-CHEMTREC Phone(II):** (703)527-3887  
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**Vendor Update:** 8/9/2010  
**Date Prepared:** 8/9/2010  
**MSDS Number:** 733V18 ; 733V25 ;

### I. CHEMICAL PRODUCT IDENTIFICATION

**Product Name:** TREMCO VISION STRIP  
**HMIS Ratings:**  
 Health: Slight(1)  
 Flammability: Slight(1)  
 Instability/Reactivity: Minimal(0)

**NFPA Ratings:**  
 Health: Minimal(0)  
 Flammability: Minimal(0)  
 Instability/Reactivity: Minimal(0)

**Other:** EMERGENCY OVERVIEW:  
 BLACK. SOLID. NO SERIOUS EFFECTS ANTICIPATED UNDER NORMAL  
 CONDITIONS OF USE. GENERALLY NOT REQUIRED UNDER NORMAL  
 CONDITIONS OF USE.

### II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
CALCIUM CARBONATE (LIMESTONE)	1317-65-3	40.0 - 70.0	3 MG/M3; RESP PARTICLES; 10 MG/M3 INHAL. PARTICLES	15 MG/M3; TOTAL DUST; 5 MG/M3; RESP FRACT	OSHA PEL: 5 MG/M3; RESP FRACT; 15 MG/M3; TOTAL DUST		
<b>Notes</b>							
POLYBUTENE	9003-29-6	15.0 - 40.0					
<b>Notes</b>							
BUTYL RUBBER	9060-33-7	10.0 - 30.0					
<b>Notes</b>							
AMORPHOUS SILICA	7631-86-9	10.0 - 30.0	3 MG/M3; RESP PARTICLES; 10 MG/M3 INHAL. PARTICLES	0.8MG/M3	OSHA PEL: 5 MG/M3; RESP FRACT; 15 MG/M3; TOTAL DUST	ACUTE ORAL TOXICITY(ORAL) 22,500 MG/KG (RAT)	
<b>Notes</b>							
ZINC OXIDE	1314-13-2	1.0 - 5.0	2 MG/M3; RESP FRACT 10 MG/M3; RESP FRACT	15 MG/M3; TOTAL DUST; 5 MG/M3; RESP FRACT	OSHA PEL: 5 MG/M3; FUME OSHA PEL: 5 MG/M3; RESP FRACT; 15 MG/M3; TOTAL DUST	ACUTE ORAL TOXICITY(ORAL) 7,950 MG/KG (MOUSE)	
<b>Notes</b>							
TALC	14807-96-6	1.0 - 5.0	2 MG/M3; RESP FRACT	0.1 MG/M3; RESP; 0.3 MG/M3; TOTAL DUST	OSHA PEL: 5 MG/M3; RESP FRACT.		
<b>Notes</b>							

CARBON BLACK	1333-86-4	-	3.5 MG/M3	15 MG/M3: TOTAL DUST; 5 MG/M3: RESP FRACT	OSHA PEL: 3.5 MG/M3		
<i>Notes</i>							
CRYSTALLINE SILICA (QUARTZ)/SILICA SAND	14808-60-7	-	0.05 MG/M3: RESP FRACT	0.1 MG/M3: RESP; 0.3 MG/M3: TOTAL DUST	OSHA PEL: 15 MG/M3: TOTAL DUST; 5 MG/M3: RESP FRACT		
<i>Notes</i>							

### III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

<b>Eyes:</b>	NOT APPLICABLE UNDER NORMAL CONDITIONS OF USE. DIRECT CONTACT MAY CAUSE TEMPORARY REDNESS AND DISCOMFORT.
<b>Skin:</b>	NO EFFECTS ANTICIPATED.
<b>Ingestion:</b>	NO KNOWN ADVERSE EFFECTS.
<b>Inhalation:</b>	NO SERIOUS EFFECTS ANTICIPATED UNDER NORMAL CONDITIONS OF USE.
<b>Signs and Symptoms of Exposure:</b>	<p>CHRONIC HEALTH EFFECTS:</p> <p>CARBON BLACK IS CLASSIFIED BY IARC TO BE A KNOWN ANIMAL CARCINOGEN AND A POSSIBLE HUMAN CARCINOGEN (GROUP 2B). CARBON BLACK IS ENCAPSULATED BY RESIN AND NOT EXPECTED TO HAVE ADVERSE EFFECTS UNLESS MADE AIRBORNE. INHALATION OF CRYSTALLINE SILICA (QUARTZ) CAN CAUSE CANCER BASED ON ANIMAL DATA, AND IARC CONCLUDES SUFFICIENT EVIDENCE IN HUMANS (GROUP 1). PROLONGED AND REPEATED OVEREXPOSURE TO FREE CRYSTALLINE SILICA DUST ABOVE THE TLV LEVEL MAY CAUSE SCARRING OF THE LUNGS WITH COUGH AND SHORTNESS OF BREATH. A DELAYED LUNG INJURY, SILICOSIS MAY RESULT FROM BREATHING FREE SILICA. PROLONGED AND REPEATED EXPOSURE TO EXCESSIVE AIRBORNE CONCENTRATIONS OF TALC CAN RESULT IN SCARRING OF THE LUNGS (PNEUMOCONIOSIS) OR THE COVERING OF THE LUNGS (PLEURAL THICKENING). OVEREXPOSURE TO SUBLIMED ZINC OXIDE MAY PRODUCE SYMPTOMS KNOWN AS "ZINC OXIDE CHILLS" WHICH HAVE NO RECOGNIZED COMPLICATIONS. SYMPTOMS USUALLY DISAPPEAR WITHIN 24 HOURS. FILLERS ARE ENCAPSULATED AND NOT EXPECTED TO BE RELEASED FROM PRODUCT UNDER NORMAL CONDITIONS OF USE.</p>

### IV. FIRST AID MEASURES

<b>Eyes:</b>	GENERALLY NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.
<b>Skin:</b>	WASH AREA OF CONTACT THOROUGHLY WITH HAND CLEANER FOLLOWED BY SOAP AND WATER. IF IRRITATION, RASH OR OTHER DISORDERS DEVELOP, GET MEDICAL ATTENTION IMMEDIATELY.
<b>Ingestion:</b>	GET MEDICAL ATTENTION. DO NOT INDUCE VOMITING.
<b>Inhalation:</b>	GENERALLY NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.
<b>Other:</b>	GET IMMEDIATE MEDICAL ATTENTION FOR ANY SIGNIFICANT OVEREXPOSURE.

### V. FIRE FIGHTING MEASURES

<b>Flash Point:</b>	NOT AVAILABLE
<b>Test Method:</b>	NOT AVAILABLE

**Lower Flammability Limit:** NOT AVAILABLE

**Upper Flammability Limit:** NOT AVAILABLE

**Extinguishing Agents:** IF WATER FOG IS INEFFECTIVE, USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM.

**Unusual Fire or Explosion Hazards:** THIS PRODUCT NOT EXPECTED TO IGNITE UNDER NORMAL CONDITIONS OF USE.

**Fire Fighting Procedures:** USE ACCEPTED FIRE FIGHTING TECHNIQUES. WEAR FULL FIREFIGHTING PROTECTIVE CLOTHING, INCLUDING SELF-CONTAINED BREATHING APPARATUS (SCBA).

**Other:** BURNING RATE: NON-FLAMMABLE SOLID  
AUTOIGNITION TEMPERATURE: NOT AVAILABLE.

#### VI. ACCIDENTAL RELEASE MEASURES

**Containment/Cleanup:** TRANSFER TO APPROPRIATE CONTAINER FOR DISPOSAL.

#### VII. HANDLING AND STORAGE

**Other:** HANDLE IN COMPLIANCE WITH COMMON HYGIENIC PRACTICES. CLEAN HAND THOROUGHLY AFTER HANDLING. STORE UNDER DRY WAREHOUSE CONDITIONS AWAY FROM HEAT AND ALL IGNITION SOURCES.

#### VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** GENERALLY NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. USE SAFETY GLASSES IF EYE CONTACT IS LIKELY.

**Skin:** SKIN AND BODY PROTECTION: NOT REQUIRED.  
HAND PROTECTION: PROTECT HANDS WITH IMPERVIOUS GLOVES.

**Respiratory:** NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.

**Engineering:** NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. USE ONLY IN WELL VENTILATED AREAS. PROVIDE MAXIMUM VENTILATION IN ENCLOSED AREAS.

**Other:** PROTECTIVE MEASURES: OTHER EQUIPMENT NOT NORMALLY REQUIRED. USE PROFESSIONAL JUDGMENT IN THE SELECTION, CARE, AND USE.

#### IX. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** BLACK

**Boiling Point:** NOT AVAILABLE

**Freezing Point:** NOT AVAILABLE

**pH:** NOT AVAILABLE

**Solubility in Water:** INSOLUBLE

**Specific Gravity:** 1.4

**Vapor Pressure:** NOT AVAILABLE

**Vapor Density:** HEAVIER THAN AIR

**Physical State:** FORM: SOLID

**Volatile Content:** % VOLATILE WEIGHT: 0%

#### X. STABILITY AND REACTIVITY

**Stability:** MATERIAL IS STABLE UNDER NORMAL STORAGE, HANDLING, AND USE.

**Hazardous Polymerization:** WILL NOT OCCUR UNDER NORMAL CONDITIONS.

**Hazardous Decomposition Products:** SMOKE, FUMES. CARBON MONOXIDE AND CARBON DIOXIDE CAN FORM.

**Products:**

**Incompatible Products:** OXIDIZING AGENTS.

#### XI. TOXICOLOGICAL INFORMATION

#### XII. ECOLOGICAL INFORMATION

**Other:** NO DATA AVAILABLE

#### XIII. DISPOSAL CONSIDERATIONS

**Disposal Method:** WASTE NOT REGULATED UNDER RCRA. INCINERATE AT EPA APPROVED FACILITY OR DISPOSE OF WASTE IN COMPLIANCE WITH STATE AND LOCAL REGULATIONS.

#### XIV. TRANSPORT INFORMATION

**Other:** TDG/DOT SHIPPING DESCRIPTION: NOT REGULATED.

#### XV. REGULATORY INFORMATION

**TSCA Status:** ALL COMPONENTS ARE LISTED OR EXEMPT FROM THE TSCA INVENTORY. ONE OR MORE COMPONENTS ARE LISTED ON THE NDSL.

**EPA Sara Title III Chemical Listings:** SARA 313 COMPONENTS: ZINC OXIDE, CAS# 1314-13-2

SARA 311/312 HAZARDS: ACUTE HEALTH HAZARD

CHRONIC HEALTH HAZARD

OSHA HAZARDOUS COMPONENTS:

CALCIUM CARBONATE (LIMESTONE) CAS# 1317-65-3

AMORPHOUS SILICA CAS# 7631-86-9

ZINC OXIDE CAS# 1314-13-2

TALC CAS# 14807-96-6

CARBON BLACK CAS# 1333-86-4

CRYSTALLINE SILICA (QUARTZ)/SILICA SAND CAS# 14808-60-7

OSHA STATUS: CONSIDERED HAZARDOUS BASED ON THE FOLLOWING CRITERIA:

IRRITANT CARCINOGEN

OSHA FLAMMABILITY: NOT REGULATED

REGULATORY VOC (LESS WATER AND EXEMPT SOLVENT): 0 G/L

VOC METHOD 310: 0%

CHEMICAL IS LISTED AS AN IARC, NTP, OSHA, OR ACGIH CARCINOGEN:

CARBON BLACK CAS# 1333-86-4

CRYSTALLINE SILICA (QUARTZ)/SILICA SAND CAS# 14808-60-7

**California:** CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER BIRTH DEFECTS AND/OR OTHER REPRODUCTIVE HARM:

Chemical CARBON BLACK CAS# 1333-86-4

Chemical CRYSTALLINE SILICA (QUARTZ)/SILICA SAND CAS# 14808-60-7

**Massachusetts:** RIGHT-TO-KNOW(RTK) COMPONENTS:

Chemical CALCIUM CARBONATE (LIMESTONE) CAS# 1317-65-3

Chemical AMORPHOUS SILICA CAS# 7631-86-9

Chemical ZINC OXIDE CAS# 1314-13-2

Chemical TALC CAS# 14807-96-6

**New Jersey:**

RIGHT-TO-KNOW(RTK) COMPONENTS:

Chemical CALCIUM CARBONATE (LIMESTONE) CAS# 1317-65-3  
Chemical POLYBUTENE CAS# 9003-29-6  
Chemical BUTYL RUBBER CAS# 9060-33-7  
Chemical AMORPHOUS SILICA CAS# 7631-86-9  
Chemical ZINC OXIDE CAS# 1314-13-2  
Chemical CARBON BLACK CAS# 1333-86-4  
Chemical CRYSTALLINE SILICA (QUARTZ)/SILICA SAND CAS# 14808-60-7

**Pennsylvania:**

RIGHT-TO-KNOW(RTK) COMPONENTS:

Chemical CALCIUM CARBONATE (LIMESTONE) CAS# 1317-65-3  
Chemical POLYBUTENE CAS# 9003-29-6  
Chemical BUTYL RUBBER CAS# 9060-33-7  
Chemical AMORPHOUS SILICA CAS# 7631-86-9  
Chemical ZINC OXIDE CAS# 1314-13-2  
Chemical TALC CAS# 14807-96-6

**XVI. OTHER INFORMATION**

**WARRANTY INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.