

# MSDS (Material Safety Data Sheet)

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

1 of 4

EMERGENCY TELEPHONE NO.: 800-255-3924 (Chemtel, Inc.)

PRODUCT NAME: **FireWall ULTRA™**

CHEMICAL FAMILY: Intumescent / Cementitious / Graphite Fire and Smoke Suppressing Surfacing Mat.

## SECTION I - PRODUCT INFORMATION

**MANUFACTURER'S NAME:** *AVTEC INDUSTRIES, INC.*

*9 KANE INDUSTRIAL DRIVE*

*HUDSON, MASSACHUSETTS 01749 USA*

**TELEPHONE # FOR INFORMATION:** 978-562-2300

## SECTION II - HAZARDOUS COMPONENTS

<u>Ingredient</u>	<u>CAS No</u>	<u>Percent</u>	<u>Hazardous</u>
GLASS, FIBROUS (14 – 34 microns diam.)	N.L.	15%	N.L.
SIZING, POLYESTER (Mixture)	N.L.	2%	N/A
TSWB MIXTURE (Water based intumescent and cementitious fire retardant mixture.)	N.L.	65.8%	N/A
Graphite intercalation compound	72208-04-9	17.2%	N.A.
Crystalline Silica (Quartz) *cancer	14808-60-7	0.0-0.8%	
Sulfuric Acid residue	7664-93-9	0.02-0.08%	
Nitric Acid residue	7697-37-2	0.0-0.6%	

Amount of dust varies with the sizing of the product.  
May contain free silica. Do not breathe dust. Follow  
OSHA standards for crystalline silica. (Quartz). There  
is evidence that inhaled crystalline silica is a human  
Carcinogen.

XRD WT%  
TOTAL  
Quartz  
Typical  
0.0-0.8

NOTE: No Additional Hazardous Components as defined by OSHA 29 CFR 1910.1200.

N.L.: NOT LISTED

N.A.: NOT AVAILABLE

N/A: NOT APPLICABLE

## SECTION III - PHYSICAL PROPERTIES

APPEARANCE AND ODOR: Charcoal gray sponge on white non-woven glass fabric. No odor

MOLECULAR WEIGHT: Not Applicable.

BOILING POINT: (DEGREES FAHRENHEIT): Not Applicable.

MELTING POINT: (DEGREES FAHRENHEIT): Not Applicable.

VAPOR PRESSURE: (mm of Mercury): Not Determined

SPECIFIC GRAVITY (WATER=1): Not Applicable  
VAPOR DENSITY (AIR=1): Not Applicable  
PERCENT VOLATILE: (BY WEIGHT): Not Applicable.  
pH: (Not Applicable)  
SOLUBILITY IN WATER: Low solubility. However can soften with extended emersion.  
EVAPORATION RATE: (BUTYL ACETATE=1): Undetermined

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#### SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: None  
FIRE EXTINGUISHING MEDIA: Non-combustible. Water, fog, foam, dry chemicals, or CO<sub>2</sub> may be used to combat fire of substrate. Water may be used to flush spills away from material in surrounding fire and to dilute spills, quench heat and render fire to substrate less aggressive.  
EXPLOSIVE LIMITS (PERCENT BY VOLUME): None determined  
SPECIAL FIRE FIGHTING PROCEDURES AND EQUIPMENT: Mixture is non-flammable. Use protective clothing and self contained breathing apparatus with face shield to combat any fire generated from substrate.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None determined.  
HAZARDOUS COMBUSTION PRODUCTS: Combustion products can include water, carbon dioxide, and carbon monoxide, and traces of ammonia.

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#### SECTION V - REACTIVITY DATA

STABILITY: STABLE   X   UNSTABLE \_\_\_\_\_  
CONDITIONS TO AVOID: Storage of containers in places of excessive heat.  
INCOMPATIBILITY (MATERIALS TO AVOID): Strong Oxidizers  
HAZARDOUS DECOMPOSITION PRODUCTS: May produce carbon monoxide, carbon dioxide, sulfur trioxide, sulfur dioxide, mixed nitrogen oxides.  
HAZARDOUS POLYMERIZATION: Will Occur \_\_\_\_\_ Will Not Occur   X  

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#### SECTION VI - HEALTH HAZARD INFORMATION

EXPOSURE FROM ROUTINE USE: Fiberglass may cause a mechanical reaction resulting in skin irritation as a rash, inflammation and/or itching.  
EFFECTS OF OVEREXPOSURE:  
EYES: Prolonged exposure may cause mechanical irritation that may cause itching, watering and/or reddening of the eyes.  
INHALATION: The filament diameters in this product are such that they are non-respirable, meaning they are too large to penetrate deeply into the lung but will be caught in the upper airways. Airborne glass fiber may product coughing and wheezing.  
SKIN: P: Fiberglass may cause a mechanical reaction resulting in skin irritation as a rash, inflammation and/or itching. Prolonged contact may cause reddening of effected area.  
PROBABLE ROUTES OF EXPOSURE: Skin, eyes, inhalation, and ingestion.  
EMERGENCY AND FIRST AID PROCEDURES:  
EYE CONTACT: Immediately flush eyes with water for at least 15 min. including underneath eyelids. Consult a physician immediately.  
INHALATION: Remove to fresh air immediately. Use adequate ventilation. Any coughing or wheezing usually subsides soon after the worker is removed from exposure. If condition persists, call a physician immediately.  
INGESTION: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

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CARCINOGENICITY: NTP? NO IARC Monographs? NO OSHA Regulated? NO

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#### SECTION VII - TOXICITY DATA

ORAL: Practically Nontoxic:LD50 (rat) 5,625mg/kg.

DERMAL: No more than slightly toxic (rabbit LD50->3,160 mg/kg).

OTHER PERTINENT DATA: Irritation data: Nonirritating; eye rabbit, slightly irritating (rabbit 10.7/110.0)

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## **SECTION VIII - SPECIAL PROTECTION INFORMATION**

### **PERSONAL PROTECTION EQUIPMENT**

PROTECTIVE GLOVES: Optional for comfort. Wear impervious gloves as necessary to avoid excessive skin contact.

EYE PROTECTION: Protective glasses or goggles with sideshields.

RESPIRATORY PROTECTION (SPECIFY TYPE): N/A.

OTHER PROTECTIVE EQUIPMENT: Adequate clothing such as coveralls to minimize direct contact with skin.

### **VENTILATION**

LOCAL EXHAUST: Use exhaust fans if necessary.

MECHANICAL (GENERAL): Normal room ventilation of fans.

SPECIAL: NONE.

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## **SECTION IX - SPILL, LEAK, AND DISPOSAL PROCEDURES**

SPILL: N/A.

LEAK: N/A

WASTE DISPOSAL METHODS: This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA),40 CFR261. Dispose in a suitable land fill where permitted by appropriate government regulations.

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## **SECTION X - REGULATORY INFORMATION**

FDA: No applicable information found.

USDA: No applicable information found.

CPSC: No applicable information found.

TSCA: All components listed

DOT: For domestic transportation proposes, this product is not designated as hazardous material by the U.S. Department of Transportation. Standard labeling and MSDS regulations apply.

LABEL REQUIRED: No special provisions.

IDENTIFICATION NUMBER: Not applicable.

WARNING: No special warnings required.

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## **SECTION XI - SPECIAL PRECAUTIONS AND COMMENTS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep away from eyes. Do not ingest. Avoid prolonged contact with skin. Wash exposed skin with soap and water.

OTHER PRECAUTIONS: Not applicable.

REGISTRATION/CERTIFICATIONS: Not applicable.

**EFFECTIVE DATE: January 10,2013**

**SUPERSEDES: January 16, 2008**

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THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE TRUE AND ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. CUSTOMERS ARE

ADVISED TO CONFIRM THAT INFORMATION IS CURRENT, APPLICABLE AND SUITABLE TO THEIR CIRCUMSTANCES.

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