



## SAFETY DATA SHEET

Date: June 2015

### Section #1: PRODUCT AND COMPANY IDENTIFICATION

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Product Identification: Edge Retention Mounting Compound  
Product Name: METS-EDGE-MNT-XXX

### 2. COMPOSITION / INGREDIENT INFORMATION

Chemical Names	CAS Numbers	% by Wt	OSHA PEL	ACGIH TLV-TWA	
Crystalline silica (quartz)	14808-60-7	30-40%	10	0.1 mg/m <sup>3</sup>	respirable
Silica (98% fused)	60676-86-0	30-40%	0.1	0.1 mg/m <sup>3</sup>	respirable
Phenol-novolac epoxy resin	28064-14-4	10-20%	N/E	N/E	(Note 1)
Antimony trioxide	1309-64-4	1-5% max	0.5	0.5 mg/m <sup>3</sup>	Sb <sub>2</sub> O <sub>3</sub>
Carbon black	1333-86-4	<0.3%	3.5	3.5 mg/m <sup>3</sup>	respirable

All other ingredients are not hazardous as defined by OSHA's Hazard Communication Standard 29 CFR 1910.1200.

### 3. HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

##### Degree of Hazard

0-Minimal 1-Slight 2-Moderate 3-Serious (High) 4-Severe (Extreme)

\*Chronic (See Section 11)

	Health	Fire	Reactivity
NFPA Rating:	1	1	0
HMIS Rating:	1	1	0

Most important hazards:  
Specific hazards:

Inhalation  
Dust

#### POTENTIAL HEALTH EFFECTS

##### Primary Routes of Entry:

Inhalation (Acute):  
(Chronic):

Inhalation, ingestion, skin and eye contact  
Dust can cause temporary upper respiratory (nose / throat) irritation and sensitization.  
Crystalline silica (quartz) is listed by IARC as a Group 1 carcinogenic agent in animals and humans. Repeated or prolonged dust inhalation can cause lung involvement such as pneumoconiosis or silicosis, resulting in shortness of breath, cough, difficulty in breathing and lung pain.  
Carbon black is listed by IARC as a Class 2B potential human cancer-causing agent based on laboratory animal studies.

Antimony oxide can lead to lung and liver damage, and changes in blood chemistry.  
Fiberglass is considered a mechanical irritant and nuisance.

Skin Contact (Acute):  
(Chronic):

Temporary redness, skin irritation and itching through mechanical abrasion.  
Repeated skin contact can cause an allergic reaction or lesions in some individuals.

##### Skin Absorption:

Ingestion (Acute):

Occasional temporary redness, skin irritation and itching.  
Possibly harmful if swallowed. Contact physician if unusual reaction is noted.

(Chronic):

No data available on this product.

Eye Contact (Acute):

Temporary eye redness and irritation.

(Chronic):

No data available on this product. Antimony oxide can cause eye irritation.

Aggravated Conditions:

Pre-existing medical conditions may be aggravated by mechanical irritants upon inhalation or skin contact.

### 4. FIRST AID MEASURES

Inhalation:	Remove victim to fresh air.
Eye Contact:	Flush with running water for at least 15 minutes. Do not scrub. Get medical attention if irritation persists.
Skin Contact:	Wash with soap and water. Get medical attention if irritation persists. Wash clothing before reuse.
Ingestion:	If swallowed, dilute with large amounts of water. DO NOT INDUCE VOMITING. Consult physician if unusual reaction is noted. Never give anything by mouth to an unconscious person.

### 5. FIRE FIGHTING MEASURES

Flash Point ( <sup>0</sup> F):	N/A
Flammable Limits in air (volume %):	Lower (LEL): N/A Upper (UEL): N/A
Autoignition Temperature, <sup>0</sup> F:	N/A
Extinguishing Media:	Water Spray (Fog), Foam, and Carbon Dioxide
Special Fire Fighting Procedures:	Fire fighters should wear full protective gear including eye protection and self-contained breathing apparatus (pressure-demand, MSHA/NIOSH-approved or equivalent). Do not release runoff from fire control methods to sewers or waterways.
Unusual Fire and Explosion Hazards:	Remain upwind. Avoid smoke, which may contain combustible and toxic fumes (oxides of carbon and hydrogen chloride) when burned.

### 6. ACCIDENTAL RELEASE MEASURES

Spills / Leaks:	Scoop or vacuum material into appropriate containers for recovery or disposal. Keep dust to a minimum.
Personal Precautions:	See Sections 7 & 8 for personal protective measures.
Environmental Precautions:	Do not release to sewers or waterways.
Regulatory Requirements:	Follow applicable OSHA (29 CFR 1910.120), state or local regulations.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid generating dust during handling. Provide appropriate exhaust ventilation at places where dust can be generated.
<b>Storage:</b>	Max Temperature: 5 <sup>0</sup> C / 41 <sup>0</sup> F Min: None Prolonged periods (several days) above Max temp may cause premature curing. Avoid contact with acids, bases, amines, and strong oxidizers. Keep product dry; moisture may adversely affect product quality.
<b>Labeling :</b>	No special labels are required.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Ventilation:</b>	General and/or local exhaust ventilation to control airborne dust levels below exposure limits. Refer to the current edition of INDUSTRIAL VENTILATION: A MANUAL OF RECOMMENDED PRACTICE published by the American Conference of Industrial Hygienists (ACGIH) for design, installation, and maintenance of local exhaust systems.
<b>Personal Protection:</b>	<p>Respirators (Dust exposure): Masks not req'd if airborne concentrations maintained below TWA/TLV's in Sec 2. Below 5x the TWA/TLV's: NIOSH/MHSA-approved (or equivalent) half mask disposable respirators designed for nuisance-type dusts. 5x - 10x the TWA/TLV's: NIOSH/MHSA-approved (or equivalent) half mask respirators equipped with dust/mist filters. 10 - 100x the TWA/TLV's: NIOSH/MHSA-approved (or equivalent) full-face respirators equipped with dust/mist filters. Over 100x the TWA/TLV's, or if the concentration is unknown: NIOSH/MHSA-approved positive-pressure SCBA or full-face piece with air respirator in positive-pressure mode.</p> <p>Eye Protection: Face shield or safety glasses (ANSI Z-87.1 or approved equivalent).</p> <p>Skin Protection: Cotton or canvas gloves and long sleeves. Wash with soap and water after handling.</p>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance- Odor - pH:</b>	Black granular solid; faint odor
<b>Specific Gravity @15<sup>0</sup>C (59<sup>0</sup>F)</b>	0.95 g/cc (water = 1.00)
<b>Softening Point / Range:</b>	75-100° C.
<b>Decomposition Temperature:</b>	>300 <sup>0</sup> C / 572 <sup>0</sup> F
<b>Flash Point:</b>	N/A
<b>Auto-ignition Temperature:</b>	N/A
<b>Explosive Properties:</b>	N/A
<b>Water Solubility:</b>	Negligible

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Chemically stable.
<b>Corrosivity:</b>	Not corrosive
<b>Reactivity with water:</b>	Not reactive
<b>Conditions to avoid:</b>	Open fire, and strong oxidizing agents such as chlorates, bromates and nitrates.
<b>Hazardous polymerization:</b>	Will not occur.

## 11. TOXICOLOGY INFORMATION

<b>Eye Effects:</b>	Nuisance dust. May cause irritation through mechanical irritation.
<b>Skin Effects:</b>	Nuisance dust. May cause irritation through mechanical irritation.
<b>Acute Toxicology:</b>	No Data Available.
<b>Chronic Effects:</b>	No Data Available.
<b>Carcinogenicity:</b>	This product is considered as carcinogenic by OSHA, IARC, NTP or ACGIH. (Note 5)

## 12. DISPOSAL CONSIDERATIONS

This product is not considered hazardous as defined by CERCLA/RCRA (40 CFR Part 261). It should be disposed of in compliance with federal, state and local regulations.

## 13. TRANSPORT INFORMATION

National Motor Freight Classification (NMFC):	156200, Class 60
D.O.T. Hazard Class:	Not regulated.
Export Schedule B Number:	3907.91.000 <i>Resins Polyester, Unsaturated, Including Allyl Resins</i>

## 14. REGULATORY INFORMATION

**OSHA Hazard Communication Rule, 29 CFR 1910.1200:** This product is classified a hazardous chemical.

**Toxic Substance Control Act:** This product is not subject to any legal reporting requirements under this act.

**Emergency Planning and Community Right-To-Know Acts:** This product is not considered as hazardous or toxic under Federal SARA, Title III or California Prop 65 definitions.

**CERCLA/Superfund, 40 CFR 117, 302:** This product contains no Reportable Quantity (RQ) substances.

**Department of Transportation Regulation 49 CFR 172.101:** Not classified as dangerous goods for road, rail, sea or air transport.

## NOTES

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3. N/E = None established  
N/A= Not applicable
4. The ACGIH TWA for respirable stearates is for dust containing no asbestos and less than 1% free silica.

5. No data available for this mixture. Two chronic inhalation studies have found an increase in benign and malignant tumors in rats exposed to concentrations of antimony trioxide of 4.2 and 50 mg.M3.

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