

MSDS Document

Product BOSS® 137 Firestop Spray Coating

1. Chemical Product and Company Identification

Trade Name of this Product BOSS® 137 Firestop Spray Coating

MSDS ID BOSS137

Manufacturer

Accumetric, LLC
 350 Ring Road
 Elizabethtown, KY 42701

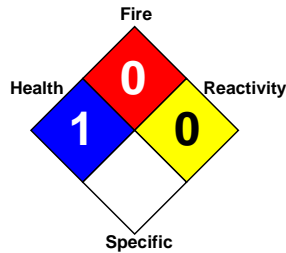
Phone Number

(270) 769-3385

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 12/17/2009



Health:	2
Fire:	0
Reactivity:	0
Specific	PPE: B

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
2-Propenoic acid, polymer...	52640-81-0	25% - 50%			
Calcium carbonate	1317-65-3	10% - 25%	10 mg/m3	5 mg/m3	
Polyvinyl acetate emulsion	NJ801415075 P	1% - 10%			
Triphenol phosphate	115-86-6	1% - 10%	3 mg/M TWA	3 mg/M	
Phenol-formaldehyde polymer	9003-35-4	1% - 10%			
Penol, isopropylated, phosphate (3:1)	68937-41-7	1% - 10%			
Aluminium oxide	1344-28-1	1% - 10%	10 mg/m3 TWA	5 mg/m3 (resp)	
Crystalline silica, quartz	14808-60-7	< 1 %	0.1mg/m3	0.1 mg/m3	
Methenamine	100-97-0	< 1 %	Not established		

Ethylene Glycol 107-21-1 < 1 % 50 mg/m3 40 ppm 40 ppm

3. Hazard Identification

Eye Contact

Spray applications of this material may create aerosols which may be irritating to the eyes.

Skin Contact

Acute skin contact is not expected to cause irritation. Hypersensitive individuals may develop an allergic reaction resulting in dermatitis, rash or hives. Harmful if absorbed through the skin.

Inhalation

Spray applications of this material may create aerosols which may be irritating to the upper respiratory tract, nose and throat. Prolonged inhalation may cause sensitization. Effects may include nausea, sneezing, coughing, tightness of chest and wheezing. Hypersensitive individuals may experience allergic respiratory reaction.

Ingestion

Harmful if ingested. Reproductive and developmental effects have been reported for certain ingredients. Long-term repeated ingestion of small amounts of product may cause a decrease in red blood cells or liver and kidney damage. Phenol-formaldehyde polymer has tested positive as a mutagen.

4. First Aid Information

Eye Contact

Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation develops.

Skin Contact

Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use. Get medical attention if irritation develops.

Inhalation

Move affected person to fresh air; if breathing is difficult, administer oxygen; if breathing has stopped, give artificial respiration. Get medical attention.

Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. If discomfort or irritation persists, seek medical attention.

5. Fire Fighting Measures

Flash Point >212F 100C
FP Method Estimated

Lower Explosive Limit
Not determined

Upper Explosive Limit

Not determined

Auto-ignition Temperature

Not determined

Extinguishing Media

Carbon Dioxide, Dry Chemical, Foam, Water Spray

Special Fire Fighting Procedures

Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to vapors or products of combustion exist. Isolate area and keep unnecessary people away. No special procedures specific to this product.

Unusual Fire and Explosion Hazards

None. During fire, oxides of nitrogen may be evolved.

6. Accidental Release Measures**Steps to be taken in case of spill or release**

Observe all personal protection equipment recommendations in Sections 5 and 8. Prevent spills from entering drinking water supplies, streams or sewers. Collect material with an inert, noncombustible material and remove for disposal. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

7. Handling and Storage**Precautionary Measures**

Avoid contact with eyes, skin and clothing.
Do not take internally.
Practice good personal hygiene to avoid ingestion.
Use only with adequate ventilation.
Wash clothing before reuse.
FOR PROFESSIONAL USE ONLY.
KEEP OUT OF CHILDREN'S REACH.

8. Exposure Controls and Personal Protection**Component Exposure Limits**

Component Name: 2-Propenoic acid, polymer

CAS Number: 52640-81-0

Exposure Limits:

OSHA PEL Not established

ACGIH TLV Not established

Component Name: Aluminum oxide

CAS Number: 1344-28-1

Exposure Limits:

OSHA PEL 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)

ACGIH TLV 10 mg/m³ TWA (particulate matter containing no asbestos and <1% crystalline silica)

Component Name: Ammonia

CAS Number: 7664-41-7

Exposure Limits:

OSHA PEL 35 ppm STEL; 27mg/m³ STEL

ACGIH TLV 25 ppm TWA; 35 ppm STEL

Component Name: Calcium carbonate

CAS Number: 1317-65-3

Exposure Limits:

OSHA PEL 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)

Component Name: Ethylene glycol

CAS Number: 107-21-1

Exposure Limits:

ACGIH TLV 100 mg/m³ Ceiling (aerosol only)

Component Name: Phenol, isopropylated, phosphate (3:1)

CAS Number: 68937-41-7

Exposure Limits:

OSHA PEL Not established

ACGIH TLV Not established

Component Name: Phenol-formaldehyde polymer

CAS Number: 9003-35-4

Exposure Limits:

OSHA PEL Not established

ACGIH TLV Not established

Component Name: Quartz

CAS Number: 14808-60-7

Exposure Limits:

OSHA PEL 0.1 mg/m³ TWA (respirable dust)

ACGIH TLV 0.05 mg/m³ TWA (respirable fraction)

Component Name: Titanium dioxide

CAS Number: 13463-67-7

Exposure Limits:

OSHA PEL 10 mg/m³ TWA

ACGIH TLV 10 mg/m³ TWA (total dust)

Component Name: Triphenyl phosphate

CAS Number: 115-86-6

Exposure Limits:

OSHA PEL 3 mg/m³ TWA

ACGIH TLV 3 mg/m³ TWA

Additional Exposure Information

Contains formaldehyde below 0.1% threshold. Product is capable of releasing formaldehyde under certain conditions. Exposure during typical application is expected to be insignificant. Exposure to formaldehyde vapor is a potential concern if product is applied under confined space conditions. Consult appropriate exposure guidelines for formaldehyde. (OSHA: 0.75 ppm TWA, 2.0 ppm STEL; ACGIH: 0.3 ppm Ceiling)

Quartz (crystalline silica) is a naturally occurring mineral that is contained in the materials that are mined from the earth's surface such as sand, limestone, clay and gypsum (calcium sulfate). Total quartz is a value usually representing the combined fraction of large non-respirable sized particles and of respirable sized particles (less than ten microns in aerodynamic diameter). It is only the respirable sized fraction of total quartz that is recognized as hazardous by professional in the field of Occupational Health and by most regulatory agencies. Respirable Quartz (crystalline silica) can result in lung disease (i.e. silicosis and/or lung cancer). However, due to the physical nature of this product (liquid) exposures are not expected unless after the product dries it is abraded and airborne dust is created.

This product contains compounds subject to exposure guidelines and/or have been identified as carcinogens. See sections 8 and 11 for more information.

Engineering Controls

None generally needed.

Respiratory Protection

Respiratory protection is recommended during spray application. A dust/mist respirator with organic vapor protection is adequate. Specific work conditions, which must be assessed periodically, may require an increased level of respiratory protection. A respirator equipped with organic vapor cartridges may be required indoors or in poorly ventilated areas. Respirators may not be required during non-spray applications and other specific situations. In all cases, maintain exposures below governmental limits specified above.

A NIOSH approved respirator for Formaldehyde vapor is required whenever exposures exceed regulatory limits. For additional information, refer to 29 CFR 1910.134.

Eye Protection

Wear goggles to prevent exposure to high vapor or mist concentrations. Wear goggles or safety glasses with side shields and a full face shield to prevent contact due to splashing.

Skin Protection

Impervious (PVC, latex or nitrile) gloves should be worn anytime direct contact is possible.

General Protective and Hygienic Measures

Work clothing with long sleeves/long pants and work boots must be worn. Clothing must be laundered before reuse. Disposable tyvek suits may be used during spray applications.

9. Physical and Chemical Properties

Physical State	Liquid
Color/Appearance	Red mastic

Odor	Mild latex odor
pH	Not applicable
Boiling/Cond. Point	>212F/100C
Solubility	Appreciable in water
Evaporation Rate	1 (butyl acetate=1)
VOC %	56.0 g/L
Percent Volatile	30.0%
Viscosity	Unknown
Vapor Density	> 1 (air=1)
Vapor Pressure	Unknown

Note

The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

10. Stability and Reactivity

Chemical Stability

Stable

Hazardous Polymerization

Will not occur

Conditions to Avoid

Strong oxidizers, strong acids, ammonium salts, fluorine, manganese trioxide, oxygen difluoride and chloride trifluoride.

Hazardous Decomposition Products

Carbon dioxide, carbon monoxide, low molecular weight hydrocarbons, aldehydes, magnesium carbonate and lime.

11. Toxicological Information

NIOSH - Selected LD50s and LC50s

Triphenyl phosphate (115-86-6)

LD50 Rat Oral 3500 mg/kg

LD50 Mouse Oral 1320 mg/kg

Carcinogenicity

Magnesium aluminum silicate - listed IARC Group 2B

Quartz - listed IARC Group 1, listed OSHA

Contains formaldehyde below 0.1% threshold. Product is capable of releasing formaldehyde under certain conditions. Exposures during typical applications are expected to be insignificant. Exposure to formaldehyde vapor is a potential concern if product is applied under confined space conditions.

NTP: Suspect Carcinogen

IARC: Group 1

OSHA: Potential

Mutagenicity

Phenol-formaldehyde polymer in this product has tested positive as a mutagen.

Teratogenicity

Ethylene glycol contained in this product has been shown to produce teratogenic effects in laboratory animals.

Reproductive Toxicity

No available information

12. Ecological Information

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

13. Disposal Considerations

Waste Disposal Method

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations, but contains SARA regulated substances. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

14. Transportation Information

DOT Road Shipment Information

Proper Shipping Name: Not applicable

UN/NA Number: Not applicable

Domestic Hazard Class: Nonhazardous

Surface Freight Classification: Not applicable

Label/Placard Required: Not applicable

15. Regulatory Information

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status

All chemical substances found in this product comply with the Toxic Substances Control Act

inventory reporting requirements.

SARA Title III Section 302 Extremely Hazardous Substances

None

SARA Title III Section 304 CERCLA Hazardous Substances

None

SARA Title III Section 312 Hazard Class

Acute: Yes

Chronic: Yes

Fire: No

Pressure: No

Reactive: No

SARA Title III Section 313 Toxic Chemicals

Acetaldehyde (75-07-0)

Acrylamide (79-06-1)

Acrylonitrile (107-13-1)

Aluminum oxide (1344-28-1)

Ammonia (7664-41-7)

Chlorothalonil (1897-45-6)

Ethyl acrylate (140-88-5)

Ethylene glycol (107-21-1)

Formaldehyde (50-00-0)

Methyl alcohol (67-56-1)

Vinyl acetate (108-05-04)

California Proposition 65

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:

Acetaldehyde (75-07-0)

Acrylamide (79-06-1)

Acrylonitrile (107-13-1)

Chlorothalonil (1897-45-6)

Ethyl acrylate (140-88-5)

Formaldehyde (50-00-0)

Massachusetts

Acetaldehyde (75-07-0)

Acrylamide (79-06-1)

Acrylonitrile (107-13-1)

Ammonia (7664-41-7)

Chlorothalonil (1897-45-6)

Ethyl acrylate (140-88-5)

Formaldehyde (50-00-0)

Quartz (14808-60-7)

Vinyl acetate (108-05-04)

New Jersey

Aluminum oxide (1344-28-1)

Ammonia (7664-41-7)
Ethylene glycol (107-21-1)

Pennsylvania
Formaldehyde (50-00-0)

16. Other Information

Disclaimer

The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements to suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.