

MSDS Document

Product BOSS® 816 Intumescent Firestop Sealant

1. Chemical Product and Company Identification

Trade Name of this Product BOSS® 816 Intumescent Firestop Sealant

Synonyms: 03642RD10, 03720RD10, 03730RD10, 03729RD17, 03745RD01, 03749RD01

MSDS ID BOSS816

Manufacturer

Accumetric, LLC
350 Ring Road
Elizabethtown, KY 42701

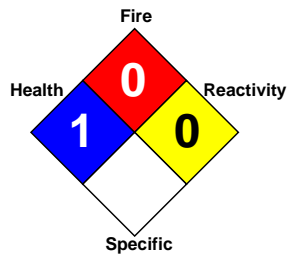
Phone Number

(270) 769-3385

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 5/7/2008



Health:	2
Fire:	0
Reactivity:	0
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
2-Propenoic acid, polymer...	52640-81-0	25% - 50%			
Aluminium oxide	1344-28-1	10% - 25%	10 mg/m3 TWA	5 mg/m3 (resp)	
Zinc borate	1332-07-6	1% - 10%			
Calcium metasilicate	13983-17-0	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%			
Methenamine	100-97-0	< 1 %	Not established		

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

3. Hazard Identification

Emergency Overview

Caution!

Causes mild to moderate eye irritation.

Causes respiratory irritation.

May be harmful if ingested.

Harmful if absorbed through skin.

May cause mutagenic effects.

May cause reproductive effects.

May cause teratogenic effects.

Eye Contact

Eye contact causes mild to moderate irritation.

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 skin.

Inhalation

Causes respiratory tract irritation. 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

Flush eyes gently with water for at least 15 minutes while holding eyelids open. Get immediate medical attention.

Skin Contact

Remove contaminated clothing and wash skin with soap and water. Get medical attention if irritation persists. Launder clothing before reuse.

Inhalation

Remove to fresh air. If breathing is difficult, give 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 > 200F 93C
FP Method Estimated

Extinguishing Media

Product will not support combustion. Use alcohol foam, carbon dioxide, dry chemical or water to treat surrounding fire.

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

Use proper personal protective equipment. Do not flush to sewer or allow to enter waterways. Keep unnecessary people away.

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

Eye Protection

Safety goggles or glasses with side shields are recommended.

Skin Protection

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

Respiratory Protection

Respiratory protection is not normally required. A NIOSH approved respirator for Formaldehyde vapor is required whenever exposures exceed regulatory limits.

Work/Hygienic Practices

Use good personal hygiene practices. Wash thoroughly after handling. Prevent direct skin

contact.

9. Physical and Chemical Properties

Physical State	Solid
Color/Appearance	Red mastic
Odor	Mild latex odor
Boiling/Cond. Point	> 212F 100C
Solubility	Appreciable in water
Evaporation Rate	1 (BuAc=1)
VOC %	5.4 g/L
Viscosity	Unknown
Vapor Density	Greater than 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

Conditions to Avoid

None known

Hazardous Polymerization

Will not occur

Hazardous Decomposition Products

Carbon dioxide, carbon monoxide and low molecular weight hydrocarbons.

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

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 2A

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

Reproductive Effects have been reported for Phenol-formaldehyde polymer.

12. Ecological Information**Environmental Effects**

Complete information is not yet available.

Environmental Fate and Distribution

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. 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: Compound, Fireproofing or Retardants, Flame

Label/Placard Required: Not applicable

15. Regulatory Information

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

CERCLA (Comprehensive Response Compensation and Liability Act)

Zinc borate (1332-07-6) 4% (wt) Final RQ = 1,000 lbs (454 kg)

TSCA Status

All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

International Chemical Inventory Status

All chemicals in this product are listed or exempt from listing in the following countries:

Canada

DSL - Not determined

NDSL - Yes

Europe

EINECS/ELINCS - Not determined

Australia

AICS - Not determined

Japan

ENCS - Not determined

Korea

ECL - Not determined

Philippines

PICCS - Not determined

SARA Title III Section 302 Extremely 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

Chemicals present below reporting threshold are exempt.

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)

Glycol ethers (RR-00067-9)

Methyl alcohol (67-56-1)

Zinc compounds (RR-00578-7)

WHMIS

This product has been classified in accordance with the hazard criteria of the Controlled

Products Regulations (CPR). This MSDS contains all the information required by the CPR.

Classification(s): D2 B

California Proposition 65

WARNING! This product contains substances 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.

Massachusetts

Identification threshold 0.001% (1 ppm).

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)

New Jersey

Identification threshold 0.1%.

Aluminum oxide (1344-28-1)

Ammonia (7664-41-7)

Ethylene glycol (107-21-1)

Pennsylvania

Identification threshold 0.01%.

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.