

MSDS Document

Product BOSS® 813 "The First" Expanding Firestop Foam

1. Chemical Product and Company Identification

Trade Name of this Product BOSS® 813 "The First" Expanding Firestop Foam

Synonyms: 03759RD10

MSDS ID BOSS813

Manufacturer

Accumetric, LLC
350 Ring Road
Elizabethtown, KY 42701

Phone Number

(270) 769-3385

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 6/2/2011

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Polymeric diphenylmethane diisocyanate	9016-87-9	40% - 60%	0.005 ppm	0.02 mg/m	
Halogenated polyetherpolyol	86675-46-9	10% - 15%			
Dimethyl ether	115-10-6	1% - 5%		400 ppm	

3. Hazard Identification

Primary Routes of Entry

Eye contact, skin contact, inhalation

Eye Contact

Uncured product is irritating to the eyes. Eye contact may result in moderate corneal injury and considerable redness lasting a week or more.

Skin Contact

Frequent or prolonged contact may irritate skin and cause dermatitis. May cause slight reddening if exposure is prolonged. Repeated or prolonged contact may cause skin sensitization.

Ingestion

Swallowing large amounts may cause digestive discomfort.

Inhalation

May cause mild respiratory irritation in uncured state. Repeated or prolonged inhalation may cause asthma.

Existing Conditions Aggravated by Exposure

Contact with uncured product may cause irritation, particularly to the eyes and mucous membranes. May cause skin irritation and aggravate skin conditions. Persons with known isocyanate allergies should avoid any skin or respiratory contact with product ingredients.

Note

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

4. First Aid Information**Eye Contact**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower eyelids. Check for and remove any contact lens. Do not use an eye ointment without seeking medical attention.

Skin Contact

Immediately wash with soap and water, rinse thoroughly. If the chemical touched the victim's exposed skin, gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Inhalation

Allow the victim to rest in a well ventilated area in a half-upright position. Seek immediate medical attention. Loosen clothing. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion

DO NOT INDUCE VOMITING. Seek immediate medical attention.

5. Fire Fighting Measures**Extinguishing Media**

Carbon Dioxide, Dry Chemical, Foam, Water Fog

For safety reasons, water or water with full jet are unsuitable extinguishing agents.

Keep containers cool. Use equipment or shielding to protect against bursting or venting of containers.

Special Fire Fighting Procedures

Respiratory and eye protection required for fire fighting personnel. Full protective equipment and a self-contained breathing apparatus should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of SCBA may not be required.

Unusual Fire or Explosion Hazards

Uncured product contains diphenylmethane-4,4'-diisocyanate that can cause allergic skin

reaction. Inhalation of the vapor may result in respiratory allergies. Propellants are extremely flammable. Pressure in container rises with heating. If container is heated, the container may burst.

Hazardous Decomposition

In case of fire, the following can develop: Danger bursting (explosion) when heated, toxic gases, oxides of nitrogen, oxides of carbon, isocyanates, hydrogen chloride, traces possible of hydrocyanic acid (hydrogen cyanide).

6. Accidental Release Measures

Steps to be taken in case of spill or release

Wear protective equipment. Keep unprotected persons away. Do not allow to enter sewers/surface or ground water. Ensure adequate ventilation during clean up. Do not flush with water or aqueous cleansing agents. Dispose of contaminated material as waste according to local, state, and federal regulations.

LAND SPILL

Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of spill. Eliminate ignition sources. Isolate hazard area and deny entry to unauthorized or unprotected personnel.

7. Handling and Storage

Handling

Keep away from sources of ignition - Do not smoke. Ensure good ventilation. Eating, drinking, smoking, as well as food storage, is prohibited in work room. Wash hands before breaks and at end of work. Exposed employees should have regular medical check-ups. Use working methods according to operating instructions. Observe directions on label and instructions for use.

Storage

Protect against moisture and store closed. Keep protected from direct sunlight and temperatures over 120F. Ideal storage conditions between 50-70F. Do not store in stairwells or gangways. Treat like other aerosols.

8. Exposure Controls and Personal Protection

Eye Protection

Wear safety glasses/goggles meeting ANSI requirements and other appropriate protection.

Skin Protection

Wear protective gloves and appropriate protection.

Ventilation

Mechanical or natural exhaust is recommended. Ensure ample fresh air is available.

Respiratory Protection

In poorly ventilated areas and/or confined spaces, wear NIOSH/MSA Self-Contained

Breathing Apparatus.

9. Physical and Chemical Properties

Physical State	Aerosol liquid/foam
Color/Appearance	Red
Boiling/Cond. Point	Not applicable
Solubility	Insoluble
VOC %	2% 23.6g/L
Vapor Density	Not applicable
Vapor Pressure	Not applicable

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 under the recommended storage and handling conditions.

Conditions to Avoid

Pressure increase will lead to bursting, do not puncture or crease can. Protect from excessive humidity. Do not heat, expose to open flame or any sources of ignition. Do not smoke while using this product.

Materials to Avoid

Upon dispensing, avoid contact with other chemicals and oxidizing agents. Exothermic reaction possible with: Water, amines, alcohols.

Hazardous Decomposition

In case of fire, the following can develop: Danger bursting (explosion) when heated, toxic gases, oxides of nitrogen, oxides of carbon, isocyanates, hydrogen chloride, traces possible of hydrocyanic acid (hydrogen cyanide).

11. Toxicological Information

Special Hazard Information on Components

No known applicable information.

Component Toxicology Information

No known applicable 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

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal, including empty/used containers, must be made according to local, state and federal regulations.

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.

14. Transportation Information

Domestic Ground

Consumer Commodity, ORM-D

Domestic Air

Consumer Commodity, ORM-D Air

International Air

Aerosols, Flammable, Class 2.1, UN1950

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 313 Toxic Chemicals

Polymeric diphenylmethane diisocyanate (9016-87-9)

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:

None known

New Jersey

Polymeric diphenylmethane diisocyanate (9016-87-9)

Pennsylvania

Polymeric diphenylmethane diisocyanate (9016-87-9)

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 or 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.