

MSDS Document

Product BOSS® 812 Draft/Smoke Stop Foam

1. Chemical Product and Company Identification

Trade Name of this Product BOSS® 812 Draft/Smoke Stop Foam

Synonyms: 037730R10

MSDS ID BOSS812

Manufacturer

Accumetric, LLC
350 Ring Road
Elizabethtown, KY 42701

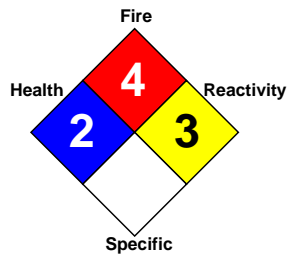
Phone Number

(270) 769-3385

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 2/22/2007



Health:	2
Fire:	4
Reactivity:	3
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Polymeric diphenylmethane diisocyanate	9016-87-9	30% - 60%	0.005 ppm	0.02 mg/m	
Propane	74-98-6	< 10 %	1000 ppm	1000 ppm PEL	
Butane	106-97-8	< 10 %	800 ppm	800 ppm TWA	

3. Hazard Identification

Emergency Overview

Extremely flammable. Contents under pressure. Do not smoke while using or use near open flame. Container may explode if heated in any manner. Eye irritant. May irritate or cause allergic skin reaction. Inhalation of vapor may result in respiratory allergies including asthma. Contains isocyanates. Protect from sunlight and do not expose to temperatures exceeding 122F/50C (ex: electric lights). Do not pierce or burn container, even after use. Do not spray on a naked flame and any incandescent material. DO NOT SMOKE WHILE USING

THIS PRODUCT.

Primary Routes of Entry

Eye contact, inhalation, skin contact

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.

4. First Aid Information

General Information

Symptoms of poisoning may occur even after several hours; therefore, medical observation for at least 48 hours after accident is recommended.

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

Flash Point < 32°F

Autoignition Temperature

Not applicable, product is not self-igniting.

Flammability Limits

Lower: 4.0%

Upper: 8.0%

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.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products:

Carbon monoxide

Carbon dioxide

Oxides of nitrogen

Short-chained carbon and nitrogen containing compounds

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.

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

Storage

Observe official regulations on storing packagings with pressurized containers. Store in a cool dry location in closed packing at temperature between 41-77F. Incompatible with strong caustics, amines, alkali metal compounds, alcohols and water. Follow all MSDS/label warnings even after container is emptied. Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.

Handling

Ensure good ventilation/exhaust at the work place. Keep ignition sources away - do not smoke. Protect against electrostatic charges. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 122F/50C (ex: electric lights). Do not pierce or burn container, even after use. Do not spray on a naked flame or any incandescent material. DO NOT SMOKE WHILE USING THIS PRODUCT.

8. Exposure Controls and Personal Protection

Exposure Controls

Butane (106-97-8)

ACGIH TLV: 800ppm NIOSH REL: 800ppm

Propane (74-98-6)

ACGIH TLV: 2500ppm NIOSH REL: 1000ppm OSHA PEL: 1000ppm

Polymeric diphenylmethane diisocyanate (9016-87-9)

ACGIH TLV: 0.005ppm OSHA TLV: 0.02 ppm

Precautionary Measures

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

Eye Protection

Wear tightly sealed goggles with unperforated side shields.

Skin Protection

Wear protective gloves.

Respiratory Protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

9. Physical and Chemical Properties

Physical State	Aerosol
Specific Gravity	0.996
Color/Appearance	Pink
Boiling/Cond. Point	Not Applicable
Melting/Freezing Point	Not Applicable

Solubility Insoluble

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 normal storage conditions, installed foam is stable.

Conditions to Avoid

Reaction to high temperatures may be violent. Avoid water contamination, avoid alcohols, strong bases with metal compounds and contact with ammonia.

Materials to Avoid / Incompatibility

Incompatible with strong caustics, amines, alkali metal compounds, and water.

11. Toxicological Information

Acute Toxicity

Irritant to eyes, skin and mucous membranes. Sensitization possible through inhalation and/or skin contact.

Chronic Toxicity

Not listed as a carcinogen. Potential skin and respiratory sensitization.

12. Ecological Information

Environmental Effects

Water Hazard Class 2: Hazardous to water

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small amounts leak into the ground.

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.

14. Transportation Information

DOT Road Shipment Information

Hazard Class: 2.1

Identification Number: UN1950

Packing Group: -

Proper Shipping Name: AEROSOLS, flammable, n.o.s.

Label: 2.1

Air Shipment (IATA)

ICAO/IATA Class: 2.1

UN/ID Number: 1950

Label: 2.1

Packaging Group: -

Proper Shipping Name: AEROSOLS, flammable, n.o.s.

Ocean Shipment (IMDG)

Hazard Class: 2.1

UN Number: 1950

Label: 2.1

Packing Group: -

EMS Number: 2-13

Marine Pollutant: No

15. Regulatory Information

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

Carcinogenicity

Per EPA standards, both are Category D: Not classifiable as to human carcinogenicity

Methylenebis(phenylisocyanate) aka MDI (101-68-8)

Polymeric diphenylmethane diisocyanate (9016-87-9)

TSCA Status

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

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: Yes

Pressure: No

Reactive: No

SARA Title III Section 313 Toxic Chemicals

Methylenebis(phenylisocyanate) aka MDI (101-68-8)

Polymeric diphenylmethane diisocyanate (9016-87-9)

Massachusetts

Methylenebis(phenylisocyanate) aka MDI (101-68-8)

New Jersey

Butane (106-97-8)

Methylenebis(phenylisocyanate) aka MDI (101-68-8)

Propane (74-98-6)

Pennsylvania

Butane (106-97-8)

Methylenebis(phenylisocyanate) aka MDI (101-68-8)

Propane (74-98-6)

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.