



BOSS Made To Work 333  
polyurethane Expanding foam

# Safety Data Sheet

## BOSS® 333 Gap Fill Foam Straw Grade

### Section 1. Identification

Product Identifier BOSS® 333 Gap Fill Foam Straw Grade  
Synonyms BOSS® 333 g Foam Straw Grade; 33320; 33316; 02455BR10; 01551BR10  
Manufacturer Stock Numbers 02455BR10; 01551BR10

Recommended use Refer to Technical Information  
Uses advised against Refer to Technical Information

Manufacturer Contact  
Address Soudal Accumetric  
350 Ring Road  
Elizabethtown, KY, 42701  
USA

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Emergency Phone (800) 424-9300  
CHEMTREC  
Fax (270) 765-2412

### Section 2. Hazards Identification

Classification ACUTE TOXICITY - INHALATION - Category 4  
CARCINOGENICITY - Category 2  
EYE DAMAGE/IRRITATION - Category 2A  
FLAMMABLE AEROSOLS - Category 1  
HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD -  
Category 4  
SENSITIZATION - RESPIRATORY - Category 1  
SENSITIZATION - SKIN - Category 1  
SKIN CORROSION/IRRITATION - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) - Category 2

SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3  
TOXIC TO REPRODUCTION - EFFECTS ON OR VIA LACTATION

Signal Word

Danger

Pictogram



Hazard Statements

Causes serious eye irritation  
Causes skin irritation  
Extremely flammable aerosol  
Harmful if inhaled  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause an allergic skin reaction  
May cause damage to organs through prolonged or repeated exposure.  
May cause harm to breast-fed children  
May cause long lasting harmful effects to aquatic life  
May cause respiratory irritation.  
Suspected of causing cancer.

Precautionary Statements

Response

Get medical advice/attention if you feel unwell.  
If experiencing respiratory symptoms: Call a poison center/doctor.  
If exposed or concerned: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If medical advice is needed, have product container or label at hand.  
If on skin: Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Wash contaminated clothing before reuse.

Prevention

Avoid contact during pregnancy/while nursing.  
Avoid release to the environment  
Contaminated work clothing must not be allowed out of the workplace.  
Do not breathe spray.  
Do not eat, drink or smoke when using this product.  
Do not handle until all safety precautions have been read and understood.  
Do not spray on an open flame or other ignition source.  
In case of inadequate ventilation wear respiratory protection.  
Keep away from heat.  
Obtain special instructions before use.  
Pressurized container: Do not pierce or burn, even after use.  
Use only outdoors or in a well-ventilated area.  
Wear eye protection/face protection.  
Wear protective gloves.

Storage                      Wear protective gloves/protective clothing.  
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
 Store in a well-ventilated place. Keep container tightly closed.  
 Store locked up.

Disposal                     Dispose of contents/container in accordance with local/regional/national/  
 international regulations.

Ingredients of unknown toxicity      0%

Hazards not Otherwise Classified

Additional information              Contains isocyanates. May produce an allergic reaction.

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
74-98-6	Propane	5% - Max
9016-87-9	Polymeric diphenylmethane diisocyanate	40% - 50%
115-10-6	Dimethyl ether	1% - 10%
13674-84-5	Trichorylpropylene Phosphate	1% - 10%
75-28-5	Isobutane	1% - 10%
85535-85-9	alkanes, C14-17, chloro	1% - 10%

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-Aid Measures

General information              Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation                    Supply fresh air and to be sure call for a doctor.  
 In case of unconsciousness place patient stably in side position for transportation.

After skin contact                 If skin irritation continues, consult a doctor.  
 Immediately wash with water and soap and rinse thoroughly.

After eye contact                 Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing                 Call for a doctor immediately.

Most important symptoms and effects, both acute and delayed      No further relevant information available.

Indication of any immediate medical attention and special treatment needed      No further relevant information available.

## Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Foam, CO2, sand, extinguishing powder. Do not use water.
Unsuitable Extinguishing Media	Water with full jet
Special hazards arising from the substance or mixture	In case of fire, the following can be released: Nitrogen oxides (NOx) Carbon monoxide (CO) Hydrogen cyanide (HCN)
Advice for firefighters	Protective equipment: Mouth respiratory protective device. Additional information: Cool endangered receptacles with water spray. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep away from ignition sources. Ensure adequate ventilation Wear protective equipment. Keep unprotected persons away.
Environmental precautions	Do not allow to enter sewers/ surface or ground water. Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.
Methods and material for containment and cleaning up	Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not flush with water or aqueous cleansing agents
Reference to other sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## Section 7. Handling and Storage

No Data Available

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Propane	1000 ppm TWA	1000 ppm PEL	N/A

Polymeric diphenylmethane diisocyanate	0.005 ppm	0.02 mg/m <sup>3</sup>	N/A
Dimethyl ether	N/A	400 ppm	N/A
Trichorylpropylene Phosphate	N/A	N/A	N/A
Isobutane	1000 ppm	N/A	1000 ppm
alkanes, C14-17, chloro	N/A	N/A	N/A

Personal Protective Equipment	Gloves
Occupational Exposure Controls	Use only in well ventilated areas.
Eye Protection	Use proper protection - safety glasses as a minimum.
Skin Protection	Chemically resistant gloves and suitable protective clothing.
Respiratory Protection	In case of insufficient ventilation, use respiratory protection with filter Type A.

## Section 9. Physical and Chemical Properties

Physical State	Aerosol
Color	Refer to product label
Odor	Characteristic
Odor Threshold	N/A
Solubility	Insoluble in water
Partition coefficient Water/n-octanol	N/A
VOC%	15%
Viscosity	N/A
Specific Gravity	N/A
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	-21C
FP Method	N/A
pH	N/A
Melting Point	Undetermined
Boiling Point	Undetermined
Boiling Range	N/A
LEL	3
UEL	18.6
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A

## Section 10. Stability and Reactivity

Materials to Avoid	Keep away from heat sources, ignition sources, acids, and bases.
Conditions to Avoid - Reactivity	Unstable on exposure to heat.
Hazardous Decomposition Products	On burning: release of toxic and corrosive gases/vapors: hydrogen chloride, carbon monoxide and carbon dioxide.  On heating: release of toxic /combustible gases/vapors (hydrogen cyanide).  May polymerize on exposure to temperature rise.  May polymerize with a lot of compounds, ex; (Strong) bases and amines.  Reacts violently with (some) acids/bases.

## Section 11. Toxicological Information

Primary irritant effect	on the skin: Irritant to skin and mucous membranes. on the eye: Irritating effect.
Sensitization	Sensitization possible through inhalation. Sensitization possible through skin contact.
Additional toxicological information	The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful Irritant
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)	Carc. 2, Lact.

## Section 12. Ecological Information

Aquatic toxicity	No further relevant information available.
Persistence and degradibility	No further relevant information available.
Bioaccumulative potential	No further relevant information available.
Mobility in soil	No further relevant information available.
Additional ecological information	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment	PBT: Not applicable. vPvB: Not applicable.

Other adverse effects

No further relevant information available.

## Section 13. Disposal

Waste Disposal Recommendation	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Uncleaned Packaging Recommendation	Disposal must be made according to official regulations.

## Section 14. Transport Information

UN Number	1950
UN Proper Shipping Name	AEROSOLS, flammable
DOT Classification	N/A
Packing Group	2.1
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

## Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substa	No further relevant information available.
Chemical safety assessment	A Chemical Safety Assessment has not been carried out.

## Section 16. Other Information

Revision Date

4/14/2016

## Disclaimer

The data contained herein is based upon information that Soudal Accumetric 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.