



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

| Phone | Emergency Phone | Fax |
|----------------|----------------------------|----------------|
| (270) 769-3385 | (800) 424-9300 CHEMTREC | (270) 765-2412 |

Section 2. Hazards Identification

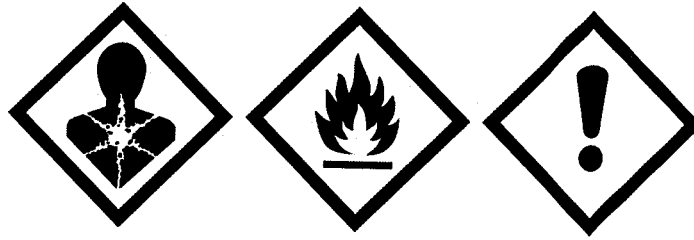
Classification ACUTE TOXICITY - INHALATION - Category 4
CARCINOGENICITY - Category 2
EYE DAMAGE/IRRITATION - Category 2A
FLAMMABLE AEROSOLS - Category 1
HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD -
Category 4
SENSITIZATION - RESPIRATORY - Category 1
SENSITIZATION - SKIN - Category 1
SKIN 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 Phophate | 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

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| 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

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| 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 ³ | 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 |

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| 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

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|---------------------------------------|------------------------|
| 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

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| 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

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| 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 (carcinogenicity, mutagenicity and toxicity for reproduction) | Carc. 2, Lact. |

Section 12. Ecological Information

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| Aquatic toxicity | No further relevant information available. |
| Persistence and degradability | 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

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|------------------------------------|--|
| 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

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|-------------------------------|---|
| 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

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| 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.