



This Safety Data Sheet packet contains the documents for the products listed below:

BOSS® 334 Minimal Expanding Gun Foam
BOSS® 335 Gun Foam Cleaner

This Starter Kit contains two different products; please confirm that you have the proper SDS for the item being used.



Safety Data Sheet

BOSS® 334 Minimal Expanding Foam Gun Grade

Section 1. Identification

Product Identifier	BOSS® 334 Minimal Expanding Foam Gun Grade		
Synonyms	334KIT; 33424		
Manufacturer Stock Numbers	03866BR10; 043759901		
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
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Signal Word
Pictogram

Danger



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 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 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 breathing spray.
Avoid contact during pregnancy/while nursing.
Avoid release to the environment
Contaminated work clothing must not be allowed out of the workplace.
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 protective gloves/protective clothing.

Storage

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.

Other information Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

Section 3. Ingredients

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

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. If symptoms persist, 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.
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

Precautions for safe handling	Ensure that suitable extractors are available on processing machines Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.
Information about fire - and explosion protection	Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
Requirements to be met by storerooms and receptacles	Store in a cool location. Observe official regulations on storing packagings with pressurized containers.
Information about storage in one common storage facility	Store away from oxidizing agents. Do not store together with acids. Do not store together with alkalis (caustic solutions).
Further information about storage conditions	Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting. Protect from humidity and water. Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.
Specific end use(s)	No further relevant information 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
Dimethyl ether	N/A	400 ppm	N/A
Trichorylpropylene Phosphate	N/A	N/A	N/A
alkanes, C14-17, chloro	N/A	N/A	N/A
Isobutane	1000 ppm	N/A	1000 ppm
Polymeric diphenylmethane diisocyanate	0.005 ppm	0.02 mg/m ³	N/A

Personal Protective Equipment

Goggles, Gloves

General protective and hygienic 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.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the eyes and skin.

Respiratory protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection

Tightly sealed goggles

Section 9. Physical and Chemical Properties

Physical State	Aerosol
Color	According to product specification
Odor	Characteristic
Odor Threshold	N/A
Solubility	Insoluble in water
Partition coefficient Water/n-octanol	N/A

CMR effects (carcinogenity, Carc. 2, Lact. mutagenicity and toxicity for reproduction)

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

Section 14. Transport Information

UN Number	1950
UN Proper Shipping Name	ADR: 1950 AEROSOLS IMDG: AEROSOLS IATA: AEROSOLS, flammable
DOT Classification	ADR Class 2 5F Gases. Label 2.1 IMDG, IATA Class 2.1 Label 2.1
Packing Group	ADR, INDG, IATA: Void
Marine Pollutant	No
Special precautions for user	Warning: Gases EMS Number: F-D, S-U
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substa	No further relevant information available.
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Chemical safety
assessment

A Chemical Safety Assessment has not been carried out.

Section 16. Other Information

Revision Date

4/8/2016

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.



Safety Data Sheet

BOSS® 335 Gun Foam Cleaner

Section 1. Identification

Product Identifier BOSS® 335 Gun Foam Cleaner
Synonyms 812KIT; 334KIT; 33512; 03978CL10
Manufacturer Stock Numbers 03978CL10

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
(270) 769-3385

Emergency Phone
(800) 424-9300
CHEMTREC

Fax
(270) 765-2412

Section 2. Hazards Identification

Classification EYE DAMAGE/IRRITATION - Category 2A
FLAMMABLE AEROSOLS - Category 1
SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3

Signal Word Danger

Pictogram



Hazard Statements	Causes serious eye irritation Extremely flammable aerosol May cause drowsiness or dizziness.
Precautionary Statements	
Response	Call a poison center/doctor if you feel unwell. 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: Remove person to fresh air and keep comfortable for breathing.
Prevention	Avoid breathing spray. Do not spray on an open flame or other ignition source. Keep away from heat. Pressurized container: Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear eye protection/face protection.
Storage	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	EUH066 Repeated exposure may cause skin dryness or cracking.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
74-98-6	Propane	< 5 %
75-28-5	Isobutane	15% - 20%
67-64-1	2-Propanone	80% - 85%

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

Section 4. First-Aid Measures

After inhalation	Supply fresh air; consult doctor in case of complaints.
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. If symptoms persist, consult a doctor.
After swallowing	If symptoms persist consult doctor.

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

Unsuitable Extinguishing Media Water with full jet.

Special hazards arising from the substance or mixture No further relevant information available

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 Ensure adequate ventilation
Keep away from ignition sources.
Wear protective equipment. Keep unprotected persons away.

Environmental precautions Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up Ensure adequate ventilation.

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

Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.

Information about fire - and explosion protection Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

Requirements to be met by storerooms and receptacles	Store in a cool location. Store only in the original receptacle. Observe official regulations on storing packagings with pressurized containers.
Information about protection against explosions and fires	No special measures required.
Further information about storage conditions	Keep container tightly sealed. Do not seal receptacle gas tight. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.
Specific end use(s)	No further relevant information 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
	Isobutane	1000 ppm	N/A	1000 ppm
	2-Propanone	500 ppm TWA	1000 ppm TWA	750 ppm
Personal Protective Equipment	Goggles, Gloves			
General protective and hygienic 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. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.			
Respiratory protection	No respiratory protection should be needed with good local ventilation.			
Protection of hands	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Penetration time of glove material The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.			
Eye protection	Tightly sealed goggles			

Section 9. Physical and Chemical Properties

Physical State	Aerosol
Color	Colorless
Odor	Characteristic
Odor Threshold	Not determined
Solubility	Soluble in water
Partition coefficient Water/n-octanol	N/A
VOC%	(EC) 100%
Viscosity	N/A
Specific Gravity	0.79
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	-19C
FP Method	N/A
Ph	Not determined
Melting Point	Undetermined
Boiling Point	55C
Boiling Range	N/A
LEL	2.6
UEL	13
Evaporation Rate	N/A
Flammability	Not applicable
Decomposition Temperature	Not determined
Auto-ignition Temperature	Product is not selfigniting
Vapor Pressure	233 hPa @ 20C
Vapor Density	N/A

Note The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

Section 10. Stability and Reactivity

Thermal decomposition / conditions to be avoided No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid No further relevant information available.

Incompatible materials No further relevant information available.

Hazardous decomposition products No dangerous decomposition products known.

Section 11. Toxicological Information

Primary irritant effect	On the skin: No irritant effect On the eye: Irritating effect
Sensitization	No sensitizing effects known
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: Irritant

Section 12. Ecological Information

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

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

Section 14. Transport Information

UN Number	1950
UN Proper Shipping Name	ADR: 1950 AEROSOLS IMDG: AEROSOLS IATA: AEROSOLS, flammable
DOT Classification	ADR Class 2 5F Gases. Label 2.1 IMDG, IATA Class 2.1 Label 2.1
Packing Group	Void
Marine Pollutant	No
Special precautions for user	Warning: Gases EMS Number: F-D, S-U
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
Transport/Additional information	ADR Limited quantities (LQ): 11 UN "Model Regulation": UN1950, AEROSOLS, 2.1

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

8/12/2016

Disclaimer

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