Safety Data Sheet

according to Regulation (EC) No 1907/2006

Borgh Flexible Foam

Revision date: 12.12.2016

Revision No: 1,00

Print date: 12.12.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

For filling,fixing and insulating gaps and cavities.

1.3. Details of the supplier of the safety data sheet

Company name:	BORGH B.V.	
Street:	De Steiger 71	
Place:	NL-1351 AE Almere	
Telephone:	+31 36 5359333	Telefax: +31 36 5317409

1.4. Emergency telephone number:

National poisons information centre:
NL: +31 30 2748888

Further Information

Please consult your local poison centre:
http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/index.html

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Hazard categories:
Aerosol: Aerosol 1
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Respiratory or skin sensitisation: Resp. Sens. 1
Respiratory or skin sensitisation: Skin Sens. 1
Carcinogenicity: Carc. 2
Specific target organ toxicity - single exposure: STOT SE 3
Specific target organ toxicity - repeated exposure: STOT RE 2
Hazard Statements:
Extremely flammable aerosol.
Pressurised container: May burst if heated.
May cause allergy or asthma symptoms or breathing difficulties if inhaled .
May cause respiratory irritation.
Causes serious eye irritation.
Causes skin irritation.
May cause an allergic skin reaction.
May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Hazard components for labelling

Diphenylmethanediisocyanate, isomeres and homologues

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Signal word: Danger

Pictograms:

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P260	Do not breathe vapour.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	In case of inadequate ventilation wear respiratory protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor.
P405	Store locked up.
P501	Dispose of contents/container to industrial incineration plant.
P102	Keep out of reach of children.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
13674-84-5	Tris(2-chloro-1-methylethyl) phosphate			5-20 %
	237-158-7		01-2119486772-26	
	Acute Tox. 4; H302			
115-10-6	dimethyl ether			1-20 %
	204-065-8	603-019-00-8		
	Flam. Gas 1; H220			
75-28-5	isobutane			1-20 %
	200-857-2	601-004-00-0		
	Flam. Gas 1; H220			
74-98-6	propane			0.5-20 %
	200-827-9	601-003-00-5		
	Flam. Gas 1; H220			
32055-14-4	Diphenylmethanediisocyanate, isomeres and homologues			10-15 %
	500-079-6		01-2119457024-46	
	Carc. 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3, STOT RE 2; H351 H332 H315 H319 H334 H317 H335 H373			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of inhaling spray mist, consult a physician.
Move victim out of danger zone. Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
Do not wash with: solvent / Thinner.
Remove contaminated, saturated clothing immediately.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Seek medical advice.

After ingestion

Give nothing to eat or drink. Do NOT induce vomiting.

Seek medical advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Suitable extinguishing media: Foam. Carbon dioxide (CO_2). dry extinguishing powder. Water spray.
Use water spray jet to protect personnel and to cool endangered containers.

Unsuitable extinguishing media

Extinguishing media which must not be used for safety reasons:
High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO_2). Water fog. Pyrolysis products, toxic.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

In case of fire and/or explosion do not breathe fumes. Burning produces heavy smoke.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Ventilate affected area.
Remove all sources of ignition.
See protective measures under point 7 and 8.
Vapours are heavier than air and will spread at floor level.

6.2. Environmental precautions

Spilled product must not leak into the ground.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Remove from the water surface (e.g. skimming, sucking).
Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep in a cool, well-ventilated place. Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Only use the material in places where open light, fire and other flammable sources can be kept away.
Use only antistatically equipped (spark-free) tools.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Suitable material for Container: material, solvent-proof.
Keep container tightly closed in a cool, well-ventilated place.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
115-10-6	Dimethyl ether	400	766		TWA (8 h)	WEL
		500	958		STEL (15 min)	WEL

8.2. Exposure controls

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Take off immediately all contaminated clothing.

Eye/face protection

Suitable eye protection: Goggles.

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Tested protective gloves are to be worn: DIN EN 374. Recommended material: NBR (Nitrile rubber) / NR (natural rubber, natural latex). For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Chemical resistant safety shoes.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient , respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	not determined
Odour:	characteristic

		Test method
pH-Value:	not applicable	
Changes in the physical state		
Melting point:	not applicable	
Initial boiling point and boiling range:	not applicable	
Flash point:	not applicable	
Lower explosion limits:	not determined	

Upper explosion limits:	not determined
Ignition temperature:	not applicable
Decomposition temperature:	not applicable

Oxidizing properties
No

Vapour pressure: (at 20 °C)	not determined
Density (at 20 °C):	not determined
Bulk density:	not applicable
Water solubility:	Reacts with : Water
Partition coefficient:	not determined
Viscosity / dynamic:	not applicable
Evaporation rate:	not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
No data available

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
Materials to avoid:
- Oxidizing agents.
- Alkalis (alkalis), concentrated.
- acid, concentrated.

10.6. Hazardous decomposition products
Thermal decomposition can lead to the escape of irritating gases and vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Toxicological details of the preparation are not available. Advice on the volatile components of the preparation should be taken from the safety data sheets of the solvent(s).

CAS No	Chemical name				
	Exposure route	Method	Dose	Species	Source
13674-84-5	Tris(2-chloro-1-methylethyl) phosphate				
	oral	LD50	500-2000 mg/kg	Rat	
	dermal	LD50	> 2000 mg/kg	Rat	
32055-14-4	Diphenylmethanediisocyanate, isomeres and homologues				
	oral	LD50	> 10000 mg/kg	Rat	
	dermal	LD50	> 9400 mg/kg	Rabbit	

Sensitising effects

Details on the sensitization of the preparation are not available. Advice on the volatile components of the preparation should be taken from the safety datasheets of the solvent(s).

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] | [d]	Species	Source
13674-84-5	Tris(2-chloro-1-methylethyl) phosphate					
	Acute fish toxicity	LC50	51 mg/l	96 h		
	Acute algae toxicity	ErC50	82 mg/l	72 h		
	Acute crustacea toxicity	EC50	131 mg/l	48 h		
	Acute bacteria toxicity	(784 mg/l)		3 h		
32055-14-4	Diphenylmethanediisocyanate, isomeres and homologues					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h		

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
115-10-6	dimethyl ether	0,1
75-28-5	isobutane	2,8
74-98-6	propane	2,36

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2
14.4. Packing group:	-
Hazard label:	2.1

Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0
Transport category:	2
Tunnel restriction code:	D

Marine transport (IMDG)

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2.1
14.4. Packing group:	-
Hazard label:	2.1

Special Provisions:	63, 190, 277, 327, 344, 959
Limited quantity:	1000 mL
Excepted quantity:	E0
EmS:	F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS, flammable
14.3. Transport hazard class(es):	2.1
14.4. Packing group:	-
Hazard label:	2.1

Special Provisions:	A145 A167 A802
Limited quantity Passenger:	30 kg G
Passenger LQ:	Y203
Excepted quantity:	E0
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

IMPORTANT
The information in this data sheet is based on our experience and on data available to us at the time of its issue and is accurate to the best of our knowledge.
The customer is strongly advised to observe and ensure that its employees and customers observe all directions contained herein.
As the specific conditions of use of the product are outside the suppliers control, the supplier is not responsible for the (negative) consequences of these specific conditions of use.
It is the responsibility of the customer that the use of this product should be in compliance with the handling, storage and other instructions in this safety data sheet.