

Borgh PU Gunfoam 880 ml

Revision date: 28.02.2017

Revision No: 1,00

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

1.1. Product identifier

Borgh PU Gunfoam 880 ml

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
Acute toxicity: Acute Tox. 4
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.
Harmful if swallowed or if inhaled.
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.
Suspected of causing cancer (inhalation, skin contact).
May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Borgh PU Gunfoam 880 ml

Revision date: 28.02.2017

Revision No: 1,00

Print date: 28.02.2017

Hazard components for labelling

Diphenylmethanediisocyanate, isomeres and homologues; Phosphoric trichloride, reaction products with propylene oxide

Signal word:

Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H302+H332	Harmful if swallowed or if inhaled.
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.
H351	Suspected of causing cancer (inhalation, skin contact).
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
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.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to industrial incineration plant.

Special labelling of certain mixtures

EUH204	Contains isocyanates. May produce an allergic reaction.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Borgh PU Gunfoam 880 ml

Revision date: 28.02.2017

Revision No: 1,00

Print date: 28.02.2017

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
32055-14-4	Diphenylmethanediisocyanate, isomeres and homologues	30-50 %		
	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			
1244733-77-4	Phosphoric trichloride, reaction products with propylene oxide	10-20 %		
	911-815-4		01-2119486772-26	
	Acute Tox. 4; H302			
75-28-5	isobutane	5-10 %		
	200-857-2	601-004-00-0		
	Flam. Gas 1; H220			
75-37-6	1,1-difluoroethane	5-10 %		
	200-866-1			
	Flam. Gas 1, Compressed gas; H220 H280			
115-10-6	dimethyl ether	2.5-5.0 %		
	204-065-8	603-019-00-8		
	Flam. Gas 1; H220			
74-98-6	propane	1-2.5 %		
	200-827-9	601-003-00-5		
	Flam. Gas 1; H220			
106-97-8	butane	0.1-1.0 %		
	203-448-7	601-004-00-0		
	Flam. Gas 1; H220			
6425-39-4	2,2'-dimorpholinyl diethyl ether	0.1-1.0 %		
	229-194-7		01-2119969278-20	
	Eye Irrit. 2; H319			

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.

Borgh PU Gunfoam 880 ml

Revision date: 28.02.2017

Revision No: 1,00

Print date: 28.02.2017

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 (CO₂). 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 (CO₂). 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

Borgh PU Gunfoam 880 ml

Revision date: 28.02.2017

Revision No: 1,00

Print date: 28.02.2017

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
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: 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.

Borgh PU Gunfoam 880 ml

Revision date: 28.02.2017

Revision No: 1,00

Print date: 28.02.2017

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Aerosol
Colour: grey
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): 1.167 g/cm³

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

Borgh PU Gunfoam 880 ml

Revision date: 28.02.2017

Revision No: 1,00

Print date: 28.02.2017

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
32055-14-4	Diphenylmethanediisocyanate, isomeres and homologues				
	oral	LD50	> 10000 mg/kg	Rat	
	dermal	LD50	> 9400 mg/kg	Rabbit	
1244733-77-4	Phosphoric trichloride, reaction products with propylene oxide				
	oral	LD50	632 mg/kg	Rat	
106-97-8	butane				
	inhalative (4 h) gas	LC50	273000 ppm	Rat	GESTIS
6425-39-4	2,2'-dimorpholinyl diethyl ether				
	oral	LD50	2025 mg/kg	Rat	
	dermal	LD50	3038 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
32055-14-4	Diphenylmethanediisocyanate, isomeres and homologues					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h		

12.2. Persistence and degradability

Borgh PU Gunfoam 880 ml

Revision date: 28.02.2017

Revision No: 1,00

Print date: 28.02.2017

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
75-28-5	isobutane	2,8
115-10-6	dimethyl ether	0,1
74-98-6	propane	2,36
106-97-8	butane	2,89

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)

Borgh PU Gunfoam 880 ml


Revision date: 28.02.2017

Revision No: 1,00

Print date: 28.02.2017

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

Additional information

not applicable

15.2. Chemical safety assessment

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

Borgh PU Gunfoam 880 ml

Revision date: 28.02.2017

Revision No: 1,00

Print date: 28.02.2017

SECTION 16: Other information

Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
CAS# = Chemical Abstracts Service number
CLP = Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC = European Community
EC50 = Effective Concentration 50 %
EINECS = European Inventory of Existing Commercial Substances
IATA = International Air Transport Association
ICAO-TI = Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG = International Maritime Dangerous Goods
LC50 = Lethal Concentration to 50 % of a test population
LD50 = Lethal Dose to 50% of a test population (Median Lethal Dose)
NOEC = No Observed Effect Concentration
NVIC = National Poison Information Centre (NL)
PBT = Persistent, Bioaccumulative and Toxic substance
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
STOT RE = Specific Target Organ Toxicity - Repeated Exposure
STOT SE = Specific Target Organ Toxicity - Single Exposure
UN = United Nations
vPvB = Very Persistent and Very Bioaccumulative

Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H302+H332	Harmful if swallowed or if inhaled.
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.
H351	Suspected of causing cancer (inhalation, skin contact).
H373	May cause damage to organs through prolonged or repeated exposure.
EUH204	Contains isocyanates. May produce an allergic reaction.

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



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Borgh PU Gunfoam 880 ml

Revision date: 28.02.2017

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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.