



Page 1 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

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

Sealant

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet



BTI Befestigungstechnik GmbH & Co. KG, Salzstr. 51, 74653 Ingelfingen, Germany

Phone: +49 7940 141 256, Fax: +49 7940 141 9256

Stefan.Haug@bti.de, www.bti.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (BRC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard class	Hazard category	Hazard statement
Acute Tox.	4	H332-Harmful if inhaled.
Eye Irrit.	2	H319-Causes serious eye irritation.
STOT SE	3	H335-May cause respiratory irritation.
Skin Irrit.	2	H315-Causes skin irritation.
Resp. Sens.	1	H334-May cause allergy or asthma symptoms or breathing
		difficulties if inhaled.
Skin Sens.	1	H317-May cause an allergic skin reaction.
Carc.	2	H351-Suspected of causing cancer.
Aerosol	1	H222-Extremely flammable aerosol.
Aerosol	1	H229-Pressurised container: May burst if heated.
STOT RE	2	H373-May cause damage to organs through prolonged or
		repeated exposure by inhalation (respiratory system).





Page 2 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)



Danger

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

P201-Obtain special instructions 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. P260-Do not breathe spray. P280-Wear protective gloves / protective clothing and eye protection / face protection. P284-Wear respiratory protection.

P304+P340-IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308+P313-IF exposed or concerned: Get medical advice / attention.

P410+P412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

EUH204-Contains isocyanates. May produce an allergic reaction.

Without adequate ventilation, formation of explosive mixtures may be possible. Diphenylmethanediisocyanate, isomeres and homologues

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 < 0.1 %).

SECTION 3: Composition/information on ingredients

PU-foam

3.1 Substance

n.a.

3.2 Mixture

5.2 Whituit	
Diphenylmethanediisocyanate, isomeres and homologues	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	
CAS	9016-87-9





Page 3 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

content %	40-50
Classification according to Regulation (EC) 1272/2008	Acute Tox. 4, H332
(CLP)	Skin Irrit. 2, H315
	Eye Irrit. 2, H319
	Resp. Sens. 1, H334
	Skin Sens. 1, H317
	Carc. 2, H351
	STOT SE 3, H335
	STOT RE 2, H373 (respiratory system) (as
	inhalation)

Tris(2-chlorisopropyl)phosphate	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	911-815-4 (REACH-IT List-No.)
CAS	(13674-84-5)
content %	10-20
Classification according to Regulation (EC) 1272/2008	Acute Tox. 4, H302
(CLP)	

Dimethyl ether	Substance for which an EU exposure limit
	value applies.
Registration number (REACH)	01-2119472128-37-XXXX
Index	603-019-00-8
EINECS, ELINCS, NLP	204-065-8
CAS	115-10-6
content %	5-15
Classification according to Regulation (EC) 1272/2008	Flam. Gas 1, H220
(CLP)	

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1/3.2 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures

Medical supervision necessary due to possibility of delayed reaction.

Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

If the person is unconscious, place in a stable side position and consult a doctor.

Respiratory arrest - Artificial respiration apparatus necessary.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.





Page 4 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water - call doctor immediately, have Data Sheet available.

Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

The following may occur:

In case of sensitivity, concentrations below the limit value may already result in asthmatic symptoms.

Coughing

Irritation of the respiratory tract

Irritant to mucosa of the nose and throat

Respiratory distress

Oedema of the lungs

Dizziness

Headaches

Drying of the skin.

Dermatitis (skin inflammation)

Other dangerous properties cannot be ruled out.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water jet spray/foam/CO2/dry extinguisher

Unsuitable extinguishing media

None known

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Oxides of phosphorus

Hydrocyanic acid (hydrogen cyanide)

Danger of bursting (explosion) when heated

Explosive vapour/air mixture

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Cool container at risk with water.

Dispose of contaminated extinction water according to official regulations.





Page 5 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

6.1 Personal precautions, protective equipment and emergency procedures

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

6.2 Environmental precautions

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

6.3 Methods and material for containment and cleaning up

If spray or gas escapes, ensure ample fresh air is available.

Active substance:

Allow product to harden.

Pick up mechanically and dispose of according to Section 13.

Recommended cleaner:

Acetone

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.

Avoid inhalation of the vapours.

If applicable, suction measures at the workstation or on the processing machine necessary.

Keep away from sources of ignition - Do not smoke.

Do not use on hot surfaces.

Take precautions against electrostatic charges.

Avoid contact with eyes or skin.

No contact with products of this type in case of allergies, asthma und chronic respiratory tract disorders.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.

Not to be stored in gangways or stair wells.

Observe special regulations for aerosols!

Observe special storage conditions.

Do not store with bases.

Do not store with acids.

Keep protected from direct sunlight and temperatures over 50°C.

Store in a well-ventilated place.

Store cool.

7.3 Specific end use(s)

No information available at present.



(GB

Page 6 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name Diphenylmethanediisocyanate, isomeres and homologues					Content %:40-50	
WEL-TWA: 0,02 mg/m3 (Isocyanates,	WEL-STEL:	0,07 mg/r	n3 (Isocyanates,		
all (as -NCO))		all (as -NCO))				
Monitoring procedures:	-			·		
BMGV: 1 µmol urinary di	BMGV: 1 µmol urinary diamine/mol creatinine in urine Other information:					(Isocyanates,
(Isocyanate, post task)				all (as -NCO))		-
® Chemical Name	Dimethyl ethe	r				Content %:5-

Chemical Name Dimethyl ether	15
WEL-TWA: 400 ppm (766 mg/m3) WEL-STEL: 500 ppm (958 mg	13)
(WEL), 1000 ppm (1920 mg/m3) (EU) (WEL)	
Monitoring procedures: - Compur - KITA-123 S (549 129)	
BMGV: Other is	formation:

© Chemical Name	Isobutane		Content %:
WEL-TWA: 1000 ppm (EX	K) (ACGIH)	WEL-STEL:	
Monitoring procedures:	-	Compur - KITA-113 SB(C) (549 368)	
BMGV:		Other information:	

© Chemical Name	Propane		Content %:
WEL-TWA: 1000 ppm (A	CGIH) WEL-STEL:		
Monitoring procedures:	- Compur - KITA-125 SA (549 954)		
BMGV:	Other information	on:	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

Tris(2-chlorisopropyl)	Tris(2-chlorisopropyl)phosphate					
Area of application	Exposure route /	Effect on health	Descript	Value	Unit	Note
	Environmental		or			
	compartment					
	Environment -		PNEC	1,34	mg/kg	
	sediment, marine				dw	
	Environment -		PNEC	0,64	mg/l	
	freshwater					
	Environment - soil		PNEC	1,7	mg/kg	
					dw	
	Environment -		PNEC	13,4	mg/kg	
	sediment				dw	





Page 7 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

	Environment - sewage treatment plant		PNEC	7,84	mg/l
	Environment - marine		PNEC	0,064	mg/l
Industrial	Human - dermal	Long term, systemic effects	DNEL	2,08	mg/kg bw/day
Industrial	Human - inhalation	Short term, systemic effects	DNEL	22,4	mg/m3
Industrial	Human - inhalation	Long term, systemic effects	DNEL	5,28	mg/m3
Industrial	Human - dermal	Short term, systemic effects	DNEL	8	mg/kg bw/day
Consumer	Human - inhalation	Long term, systemic effects	DNEL	1,46	mg/m3
Consumer	Human - inhalation	Short term, systemic effects	DNEL	11,2	mg/m3
Consumer	Human - dermal	Long term, systemic effects	DNEL	1,04	mg/kg bw/d
Consumer	Human - dermal	Short term, systemic effects	DNEL	4	mg/kg bw/d
Consumer	Human - oral	Long term, systemic effects	DNEL	0,52	mg/kg bw/d

Dimethyl ether						
Area of application	Exposure route / Environmental	Effect on health	Descript or	Value	Unit	Note
	compartment					
	Environment - freshwater		PNEC	0,155	mg/l	
	Environment - sediment, freshwater		PNEC	0,681	mg/kg	
	Environment - soil		PNEC	0,045	mg/kg	
	Environment - sewage treatment plant		PNEC	160	mg/l	
	Environment - marine		PNEC	0,016	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	1,549	mg/l	
	Environment - sediment, marine		PNEC	0,069	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	471	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	1894	mg/m3	

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.





Page 8 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Chemical resistant protective gloves (EN 374).

Recommended

Polyethylene

(LDPE)

Minimum layer thickness in mm:

0,025

Permeation time (penetration time) in minutes:

10

Protective hand cream recommended.

The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:

If OES or MEL is exceeded.

Filter A2 P2 (EN 14387), code colour brown, white

At high concentrations:

Respiratory protection appliance (insulation device) (e.g. EN 137 or EN 138)

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.





Page 9 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Aerosol. Active substance: liquid. Colour: According to specification

Odour: Characteristic Odour threshold: Not determined Not determined pH-value: Melting point/freezing point: Not determined Initial boiling point and boiling range: Not determined Flash point: Not determined Evaporation rate: Not determined Flammability (solid, gas): Not determined Lower explosive limit: Not determined Upper explosive limit: Not determined Vapour pressure: Not determined

Vapour density (air = 1): >1

Density: 1,17 g/cm3 (20°C)

Bulk density: n.a.

Solubility(ies):

Water solubility:

Partition coefficient (n-octanol/water):

Auto-ignition temperature:

Decomposition temperature:

Organic solvents

Insoluble

Not determined

Not determined

Not determined

Decomposition temperature: Not determined Viscosity: Not determined

Explosive properties: Product is not explosive. When using: development of

explosive vapour/air mixture possible.

Oxidising properties: No

9.2 Other information

Miscibility: Not determined
Fat solubility / solvent: Not determined
Conductivity: Not determined
Surface tension: Not determined

Solvents content: 17 % (Organic solvents)

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.





Page 10 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

Polymerisation possible with:

Amines Alcohols Bases Acids

Water

10.4 Conditions to avoid

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

Avoid contact with strong alkalis. Avoid contact with strong acids.

10.6 Hazardous decomposition products

No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

PU GUN FOAM OZ-SR B2 750 ML									
Art.: 9006659									
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes			
	nt								
Acute toxicity, by oral route:	ATE	>2000	mg/kg			calculated value			
Acute toxicity, by dermal route:						n.d.a.			
Acute toxicity, by inhalation:	ATE	>20	mg/l/4h			calculated value, Vapours			
Acute toxicity, by inhalation:	ATE	3,37	mg/l/4h			calculated value, Aerosol			
Skin corrosion/irritation:						n.d.a.			
Serious eye damage/irritation:						n.d.a.			
Respiratory or skin sensitisation:						n.d.a.			
Germ cell mutagenicity:						n.d.a.			
Carcinogenicity:						n.d.a.			
Reproductive toxicity:						n.d.a.			
Specific target organ						n.d.a.			
toxicity - single									
exposure (STOT-SE):									





Page 11 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Specific target organ toxicity - repeated exposure (STOT-RE):			n.d.a.
Aspiration hazard:			n.d.a.
Symptoms:			n.d.a.

Diphenylmethanediisocy						
Toxicity / effect	Endpoi nt	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral	LD50	>5000	mg/kg	Rat	OECD 401 (Acute	
route:					Oral Toxicity)	
Acute toxicity, by	LD50	>5000	mg/kg	Rabbit	OECD 402 (Acute	
dermal route:					Dermal Toxicity)	
Acute toxicity, by	LC50	0,31	mg/l/4h	Rat	OECD 403 (Acute	Aerosol,
inhalation:					Inhalation	Does not
					Toxicity)	conform
						with EU
						classification
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Irritant
					Dermal	
					Irritation/Corrosio	
					n)	
Serious eye				Rabbit	OECD 405 (Acute	Irritant,
damage/irritation:					Eye	Analogous
					Irritation/Corrosio	conclusion
					n)	
Respiratory or skin				Mouse	OECD 429 (Skin	Sensitising,
sensitisation:					Sensitisation -	Analogous
					Local Lymph	conclusion
					Node Assay)	
Respiratory or skin				Guinea pig		Yes
sensitisation:				~		(inhalation)
Germ cell mutagenicity:				Salmonella	OECD 471	Negative
				typhimuri	(Bacterial Reverse	
G				um	Mutation Test)	
Carcinogenicity:				Rat	OECD 453	Aerosol,
					(Combined	Limited
					Chronic	evidence of
					Toxicity/Carcinoge	a
					nicity Studies)	carcinogenic
D 1	NOAEL	4	/ 2	D.	OFCD 414	effect.
Reproductive toxicity:	NOAEL	4	mg/m3	Rat	OECD 414	Aerosol,
					(Prenatal	Negative
					Developmental	
Charifia tangat angan	IOVEL	1		Rat	Toxicity Study) OECD 453	A amaga1
Specific target organ toxicity - repeated	LOAEL	1		Kat		Aerosol,
					(Combined	Analogous conclusion
exposure (STOT-RE):						conclusion
exposure (STOT-RE):					Chronic Toxicity/Carcinoge nicity Studies)	conclusio





Page 12 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Specific target organ	NOAEL	0,2	Rat	OECD 453	Aerosol,
toxicity - repeated				(Combined	Analogous
exposure (STOT-RE):				Chronic	conclusion
				Toxicity/Carcinoge	
				nicity Studies)	
Aspiration hazard:					Negative
Specific target organ					Target
toxicity - single					organ(s):
exposure (STOT-SE),					respiratory
inhalative:					system, May
					cause
					respiratory
					irritation.
Specific target organ					Target
toxicity - repeated					organ(s):
exposure (STOT-RE),					respiratory
inhalat.:					system,
					Positive

Tris(2-chlorisopropyl)phosphate									
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes			
	nt								
Acute toxicity, by oral	LD50	632	mg/kg	Rat					
route:									
Acute toxicity, by oral	LD50	>500-	mg/kg	Rat	Regulation (EC)				
route:		<2000			440/2008 B.1				
					(ACUTE ORAL				
					TOXICITY)				
Acute toxicity, by	LD50	>2000	mg/kg	Rabbit	OECD 402 (Acute				
dermal route:				_	Dermal Toxicity)				
Acute toxicity, by	LC50	>7	mg/l/4h	Rat	OECD 403 (Acute	Dust, Mist			
inhalation:					Inhalation				
					Toxicity)				
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant			
					Dermal				
					Irritation/Corrosio				
				5.111	n)				
Serious eye				Rabbit	OECD 405 (Acute	Not irritant			
damage/irritation:					Eye				
					Irritation/Corrosio				
D :				G ::	n)	NT .			
Respiratory or skin				Guinea pig	OECD 429 (Skin	Not			
sensitisation:					Sensitisation -	sensitizising			
					Local Lymph				
Germ cell mutagenicity:					Node Assay)	Negative			
Germ cell mutagenicity:				Mouse	(Ames-Test) in vivo	Negative			
Carcinogenicity:				Mouse	111 1110	No			
Carcinogenicity.						indications			
						of such an			
						effect.			
						C116CL.			





Page 13 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Carcinogenicity:	LOAEL	52	mg/kg bw/d		
Reproductive toxicity:	LOAEL	99	mg/kg/		
Reproductive toxicity (Developmental toxicity):	NOEL	571	mg/kg bw/d	Rat	
Specific target organ toxicity - single exposure (STOT-SE):					No
Specific target organ toxicity - repeated exposure (STOT-RE):	NOEL	>20	ppm	Rat	13w
Aspiration hazard:					Not to be expected
Symptoms:					ataxia, cramps

Dimethyl ether						
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
	nt					
Acute toxicity, by	LC50	164	mg/l/4h	Rat		
inhalation:						
Acute toxicity, by	LC50	308	mg/l/4h	Rat		
inhalation:						
Germ cell mutagenicity:					OECD 471	Negative
					(Bacterial Reverse	
					Mutation Test)	
Germ cell mutagenicity:					OECD 473 (In	Negative
					Vitro Mammalian	
					Chromosome	
					Aberration Test)	
Germ cell mutagenicity:					OECD 477	Negative
					(Genetic	
					Toxicology - Sex-	
					Linked Recessive	
					Lethal Test in	
					Drosophilia	
					melanogaster)	
Carcinogenicity:						Negative
Reproductive toxicity:						Negative
Specific target organ	NOAEC	47106		Rat	OECD 452	Negative(2
toxicity - repeated					(Chronic Toxicity	a)
exposure (STOT-RE):					Studies)	





Page 14 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Symptoms:			unconsciousn
			ess,
			headaches,
			mucous
			membrane
			irritation,
			dizziness,
			nausea and
			vomiting.,
			frostbite
Symptoms:			unconsciousn
			ess,
			headaches,
			mucous
			membrane
			irritation,
			dizziness,
			nausea and
			vomiting.,
			frostbite,
			gastrointestin
			al
			disturbances,
			respiratory
			distress,
			circulatory
			collapse

Isobutane						
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
	nt					
Acute toxicity, by	LC50	658	mg/l/4h	Rat		
inhalation:						
Serious eye				Rabbit		Not irritant
damage/irritation:						
Germ cell mutagenicity:					OECD 471	Negative
					(Bacterial Reverse	
					Mutation Test)	
Symptoms:						unconsciousn
						ess,
						frostbite,
						headaches,
						cramps,
						dizziness,
						nausea and
						vomiting.

Propane						
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
	nt					





Page 15 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Germ cell mutagenicity:					OECD 471	Negative
					(Bacterial Reverse	
Reproductive toxicity	NOAEC	21,641	mg/l		Mutation Test) OECD 422	
(Developmental	NOALC	21,041	IIIg/I		(Combined	
toxicity):					Repeated Dose	
					Tox. Study with	
					the	
					Reproduction/Dev	
					elopm. Tox.	
					Screening Test)	
Symptoms:						breathing
						difficulties,
						unconsciousn
						ess, frostbite,
						headaches,
						cramps,
						mucous
						membrane
						irritation,
						dizziness,
						nausea and
						vomiting.

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

PU GUN FOAM OZ-SR B2 750 ML									
Art.: 9006659									
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes		
12.1. Toxicity to							n.d.a.		
fish:									
12.1. Toxicity to							n.d.a.		
daphnia:									
12.1. Toxicity to							n.d.a.		
algae:									





Page 16 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

12.2. Persistence					With water
and degradability:					at the
and degradability.					interface,
					transforms
					slowly with
					formation of
					CO2 into a
					firm,
					insoluble
					reaction
					product with
					a high
					melting
					point
					(polycarbami
					de).
					According
					to
					experience
					available to
					date,
					polycarbami
					de is inert
					and non-
10.0					degradable.
12.3.					n.d.a.
Bioaccumulative					
potential:					
12.4. Mobility in					n.d.a.
soil:					
12.5. Results of					n.d.a.
PBT and vPvB					
assessment					
12.6. Other					n.d.a.
adverse effects:					
Other information:	AOX	15,72	%		
Other information:					DOC-
					elimination
					degree(comp
					lexing
					organic
					substance)>=
					80%/28d:
					n.a.

Diphenylmethanediisocyanate, isomeres and homologues								
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes	
12.1. Toxicity to	LC50	96h	>1000	mg/l	Brachydanio	OECD 203		
fish:					rerio	(Fish, Acute		
						Toxicity Test)		





Page 17 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

12.1. Toxicity to	EC50	24h	>1000	mg/l	Daphnia	OECD 202	
daphnia:				_	magna	(Daphnia sp.	
					_	Acute	
						Immobilisatio	
						n Test)	
12.1. Toxicity to	NOEC/NO	21d	>10	mg/l	Daphnia	OECD 202	
daphnia:	EL				magna	(Daphnia sp.	
1						Acute	
						Immobilisatio	
						n Test)	
12.1. Toxicity to	ErC50	72h	>1640	mg/l	Scenedesmus	OECD 201	
algae:				8	subspicatus	(Alga,	
					r	Growth	
						Inhibition	
						Test)	
12.2. Persistence		28d	0	%	activated	OECD 302 C	Not readily
and degradability:					sludge	(Inherent	biodegradabl
						Biodegradabil	e
						ity - Modified	
						MITI Test	
						(II))	
12.3.	BCF	42d	<14		Cyprinus	OECD 305	No
Bioaccumulative					caprio	(Bioconcentra	significant
potential:					•	tion - Flow-	biodegradati
1						Through Fish	on is
						Test)	expected.
12.5. Results of						,	Negative
PBT and vPvB							
assessment							
Toxicity to	EC50	3h	>100	mg/l	activated	OECD 209	
bacteria:					sludge	(Activated	
						Sludge,	
						Respiration	
						Inhibition	
						Test (Carbon	
						and	
						Ammonium	
						Oxidation))	
Toxicity to	NOEC/NO	14d	>1000	mg/kg	Lumbricus	OECD 207	
annelids:	EL				terrestris	(Earthworm,	
						Acute	
						Toxicity	
						Tests)	

Tris(2-chlorisopropyl)phosphate								
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes	
12.1. Toxicity to	LC50	96h	51	mg/l	Pimephales			
fish:					promelas			
12.1. Toxicity to	LC50	96h	54,2	mg/l	Brachydanio			
fish:					rerio			





Page 18 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

12.1. Toxicity to	LC50	96h	56,2	mg/l			
fish:							
12.1. Toxicity to	EC50	48h	131	mg/l	Daphnia		
daphnia:					magna		
12.1. Toxicity to	NOEC/NO		32	mg/l	Daphnia		
daphnia:	EL				magna		
12.1. Toxicity to	NOEC/NO	21d	32	mg/l	Daphnia		
daphnia:	EL				magna		
12.1. Toxicity to	NOEC/NO	21d	32	mg/l	Daphnia	OECD 202	
daphnia:	EL				magna	(Daphnia sp.	
•						Acute	
						Immobilisatio	
						n Test)	
12.1. Toxicity to	EC50	72h	82	mg/l			freshwater
algae:							
12.1. Toxicity to		72h	82	mg/l	Pseudokirchne	OECD 201	
algae:			-	8	riella	(Alga,	
uigue.					subcapitata	Growth	
					зиосирниц	Inhibition	
						Test)	
12.2. Persistence						1 CSt)	Not readily
and degradability:							biodegradabl
and degradaomity.							e e
12.2. Persistence		28d	13	%	activated		Not readily
		20 u	13	70	sludge		
and degradability:					studge		biodegradabl
12.2. Persistence		204	14	0/			e Not moddily
		28d	14	%			Not readily
and degradability:							biodegradabl
12.3.	BCF		0,8-				e
Bioaccumulative	ВСГ		<14				
			<14				
potential:	DOE	40.1	0.0		G :	OEGD 205	
12.3.	BCF	42d	0,8-		Cyprinus	OECD 305	
Bioaccumulative			2,8		caprio	(Bioconcentra	
potential:						tion - Flow-	
						Through Fish	
100	200	10.1				Test)	
12.3.	BCF	42d	0,8-		Cyprinus		A notable
Bioaccumulative			4,6		caprio		biological
potential:							accumulation
							potential is
							not to be
							expected
							(LogPow 1-
							3).
12.3.	Log Pow		-2,68				
12.3. Bioaccumulative potential:	Log Pow		-2,68				





Page 19 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC50	3h	784	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	

Dimethyl ether							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to	LC0	96h	2695	mg/l	Pimephales		
fish:					promelas		
12.1. Toxicity to	LC50	96h	>4000	mg/l	Poecilia		
fish:					reticulata		
12.1. Toxicity to	LC50	96h	3082	mg/l	Salmo		
fish:					gairdneri		
12.1. Toxicity to	EC50	48h	>4000	mg/l	Daphnia		
daphnia:					magna		
12.1. Toxicity to	EC0	96h	154,9	mg/l	Chlorella	QSAR	
algae:					vulgaris		
12.2. Persistence		28d	5	%		OECD 301 D	Not readily
and degradability:						(Ready	biodegradabl
						Biodegradabil	e
						ity - Closed	
						Bottle Test)	
12.3.	Log Pow		-0,07				Bioaccumula
Bioaccumulative							tion is
potential:							unlikely
							(LogPow <
							1). 25°C
							(pH 7)
12.4. Mobility in	H (Henry)		518,6	Pa*m3/			No
soil:				mol			adsorption
							in soil.
12.5. Results of							No PBT
PBT and vPvB							substance,
assessment							No vPvB
							substance
Toxicity to	EC10		>1600	mg/l	Pseudomonas		
bacteria:					putida		





Page 20 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

Other information:			Do	es not
			co	ntain any
			org	ganically
			bo	und
			hai	logens
			wh	nich can
			co	ntribute to
			the	e AOX
			va	lue in
			wa	iste
			wa	iter.DIN
			EN	N 1485
Water solubility:	45,60	mg/l	25	°C

Propane							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.3.	Log Pow		2,28				A notable
Bioaccumulative							biological
potential:							accumulation
_							potential is
							not to be
							expected
							(LogPow 1-
							3).
12.5. Results of							No PBT
PBT and vPvB							substance,
assessment							No vPvB
							substance

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances

08 05 01 waste isocyanates

16 05 04 gases in pressure containers (including halons) containing hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Take full aerosol cans to problem waste collection.

Take emptied aerosol cans to valuable material collection.

For contaminated packing material

Pay attention to local and national official regulations.

Do not perforate, cut up or weld uncleaned container.

Residues may present a risk of explosion.





Page 21 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

15 01 04 metallic packaging

SECTION 14: Transport information

General statements

14.1. UN number: 1950

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

UN 1950 AEROSOLS

14.3. Transport hazard class(es):2.114.4. Packing group:-Classification code:5FLQ:1 L

14.5. Environmental hazards: Not applicable

Tunnel restriction code: D

Transport by sea (IMDG-code)

14.2. UN proper shipping name:

AEROSOLS

14.3. Transport hazard class(es):
2.1
14.4. Packing group:

EmS: F-D, S-U Marine Pollutant: n.a

14.5. Environmental hazards: Not applicable

Transport by air (IATA)

14.2. UN proper shipping name:

Aerosols, flammable

14.3. Transport hazard class(es): 2.1 14.4. Packing group: -

14.5. Environmental hazards: Not applicable

14.6. Special precautions for user

Persons employed in transporting dangerous goods must be trained.

All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Freighted as packaged goods rather than in bulk, therefore not applicable.

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

Comply with special provisions.

SECTION 15: Regulatory information

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

Observe restrictions:

Regulation (EC) No 1907/2006, Annex XVII

Diphenylmethanediisocyanate, isomeres and homologues

Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC):

17 %





Page 22 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

Observe incident regulations.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 2, 3, 8, 9, 10, 11, 12, 13, 15, 16

These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

Employee training in handling dangerous goods is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance $(EG)\ 1272/2008\ (CLP)$:

Classification in accordance with regulation (EC)	Evaluation method used
No. 1272/2008 (CLP)	
Acute Tox. 4, H332	Classification according to calculation procedure.
Eye Irrit. 2, H319	Classification according to calculation procedure.
STOT SE 3, H335	Classification according to calculation procedure.
Skin Irrit. 2, H315	Classification according to calculation procedure.
Resp. Sens. 1, H334	Classification according to calculation procedure.
Skin Sens. 1, H317	Classification according to calculation procedure.
Carc. 2, H351	Classification according to calculation procedure.
Aerosol 1, H222	Classification according to calculation procedure.
Aerosol 1, H229	Classification based on the form or physical state.
STOT RE 2, H373	Classification according to calculation procedure.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H373 May cause damage to organs through prolonged or repeated exposure by inhalation.

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.

H220 Extremely flammable gas.

Acute Tox. — Acute toxicity - inhalation

Eye Irrit. — Eye irritation

STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation

Skin Irrit. — Skin irritation

Resp. Sens. — Respiratory sensitization

Skin Sens. — Skin sensitization

Carc. — Carcinogenicity

Aerosol — Aerosols

STOT RE — Specific target organ toxicity - repeated exposure



(GB

Page 23 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

Acute Tox. — Acute toxicity - oral

Flam. Gas — Flammable gases (including chemically unstable gases)

Any abbreviations and acronyms used in this document:

AC Article Categories

acc., acc. to according, according to

ACGIH American Conference of Governmental Industrial Hygienists

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European

Agreement concerning the International Carriage of Dangerous Goods by Road)

AOEL Acceptable Operator Exposure Level

AOX Adsorbable organic halogen compounds

approx. approximately Art., Art. no. Article number

ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and

Safety, Germany)

BCF Bioconcentration factor

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)

BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)

BMGVBiological monitoring guidance value (EH40, UK)

BOD Biochemical oxygen demand

BSEF Bromine Science and Environmental Forum

bw body weight

CAS Chemical Abstracts Service

CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids

CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques

CIPACCollaborative International Pesticides Analytical Council

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

COD Chemical oxygen demand

CTFA Cosmetic, Toiletry, and Fragrance Association

DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level

DOC Dissolved organic carbon

DT50 Dwell Time - 50% reduction of start concentration

DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)

dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EC European Community

ECHA European Chemicals Agency

EEA European Economic Area

EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances



(GB

Page 24 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

ELINCS European List of Notified Chemical Substances

EN European Norms

EPA United States Environmental Protection Agency (United States of America)

ERC Environmental Release Categories

ES Exposure scenario

etc. et cetera

EU European Union

EWC European Waste Catalogue

Fax. Fax number gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

HET-CAM Hen's Egg Test - Chorionallantoic Membrane

HGWPHalocarbon Global Warming Potential

IARC International Agency for Research on Cancer

IATA International Air Transport Association

IBC Intermediate Bulk Container

IBC (Code) International Bulk Chemical (Code)

IC Inhibitory concentration

IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive

IUCLID International Uniform ChemicaL Information Database

LC lethal concentration

LC50 lethal concentration 50 percent kill

LCLo lowest published lethal concentration

LD Lethal Dose of a chemical LD50 Lethal Dose, 50% kill LDLo Lethal Dose Low

LOAEL Lowest Observed Adverse Effect Level

LOEC Lowest Observed Effect Concentration

LOEL Lowest Observed Effect Level

LO Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicablen.av. not availablen.c. not checkedn.d.a. no data available

NIOSH National Institute of Occupational Safety and Health (United States of America)

NOAEC No Observed Adverse Effective Concentration

NOAEL No Observed Adverse Effect Level

NOEC No Observed Effect Concentration

NOEL No Observed Effect Level ODP Ozone Depletion Potential

OECD Organisation for Economic Co-operation and Development

org. organic

PAH polycyclic aromatic hydrocarbon PBT persistent, bioaccumulative and toxic

PC Chemical product category

PE Polyethylene

PNEC Predicted No Effect Concentration POCP Photochemical ozone creation potential





Page 25 of 25

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 18.04.2017 / 0009

Replacing version dated / version: 03.07.2015 / 0008

Valid from: 18.04.2017 PDF print date: 21.04.2017

PU GUN FOAM OZ-SR B2 750 ML

Art.: 9006659

ppm parts per millionPROC Process categoryPTFE Polytetrafluorethylene

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No

1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)

REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.

RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)

SADT Self-Accelerating Decomposition Temperature

SAR Structure Activity Relationship

SU Sector of use

SVHC Substances of Very High Concern

Tel. Telephone

ThOD Theoretical oxygen demand

TOC Total organic carbon

TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).

WHO World Health Organization

wwt weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.