


SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate monomer	
Version: 2.0 Revision date: 02/08/2021	Page 1 of 13 Print date: 02/08/2021

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: Gunfoam very low Isocyanate monomer code 2020202

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

Foam

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: Reforac
 Post-office box: 648
 NL-2100 AP Heemstede
 Telephone: +31643975656
 E-mail: info@reforac.com
 Web: www.reforac.com

1.4 Emergency telephone number: National poisons information centre:

NL: + 31 30 274 8888
 Restricted to professional users.
 UK: +44 844 892 0111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aerosol 1: Pressurised container: May burst if heated., H229

Aerosol 1: Flammable aerosols, Category 1, H222

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

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.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F


P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

Supplementary information:

EUH204: Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria


SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate momomer	
Version: 2.0 Revision date: 02/08/2021	Page 2 of 13 Print date: 02/08/2021

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **	
3.1 Substance:	Non-applicable
3.2 Mixture:	

** Changes with regards to the previous version

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS ** (continued)		
Chemical description: Mixture composed of organic substances		
Components:		
In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:		
Identification	Chemical name/Classification	Concentration
CAS: 115-10-6 EC: 204-065-8 Index: 603-019-00-8 REACH: 01-2119472128-37-XXXX	dimethyl ether <input type="checkbox"/> <input type="checkbox"/> ATP CLP00	5 - <10 %
	Regulation 1272/2008 Flam. Gas 1A: H220; Press. Gas: H280 - Danger	
CAS: 74-98-6 EC: 200-827-9 Index: 601-003-00-5 REACH: 01-2119486944-21-XXXX	Propane <input type="checkbox"/> <input type="checkbox"/> ATP CLP00	5 - <10 %
	Regulation 1272/2008 Flam. Gas 1A: H220; Press. Gas: H280 - Danger	
CAS: 75-28-5 EC: 200-857-2 Index: 601-004-00-0 REACH: 01-2119485395-27-XXXX	Isobutane <input type="checkbox"/> <input type="checkbox"/> ATP CLP00	2,5 - <5 %
	Regulation 1272/2008 Flam. Gas 1A: H220; Press. Gas: H280 - Danger	
CAS: 1244733-77-4 EC: 807-935-0 Index: Non-applicable REACH: 01-2119486772-26-XXXX	Reaction products of phosphoryl trichloride and 2-methyloxirane <input type="checkbox"/> <input type="checkbox"/> Self-classified	2,5 - <5 %
	Regulation 1272/2008 Acute Tox. 4: H302 - Warning	
<input type="checkbox"/> <input type="checkbox"/> Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2015/830 <input type="checkbox"/> <input type="checkbox"/> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830 To obtain more information on the hazards of the substances consult sections 11, 12 and 16.		

** Changes with regards to the previous version

SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate momomer	
Version: 2.0 Revision date: 02/08/2021	Page 3 of 13 Print date: 02/08/2021

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet

By eye contact:

This product does not contain substances classified as hazardous for eye contact. Rinse eyes thoroughly for at least 15 minutes with lukewarm water, ensuring that the person affected does not rub or close their eyes.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable


SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂).


Unsuitable extinguishing media:

SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate momomer	
Version: 2.0 Revision date: 02/08/2021	Page 4 of 13 Print date: 02/08/2021

SECTION 5: FIREFIGHTING MEASURES (continued)
<p>IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.</p> <p>5.2 Special hazards arising from the substance or mixture: As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.</p> <p>5.3 Advice for firefighters: Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.</p> <p>Additional provisions: Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.</p>

SECTION 6: ACCIDENTAL RELEASE MEASURES
<p>6.1 Personal precautions, protective equipment and emergency procedures: Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spill product (See section 8). Evacuate the area and keep out those who do not have protection.</p> <p>6.2 Environmental precautions: This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.</p> <p>6.3 Methods and material for containment and cleaning up: It is recommended: Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.</p> <p>6.4 Reference to other sections: See sections 8 and 13.</p>

SECTION 7: HANDLING AND STORAGE
<p>7.1 Precautions for safe handling:</p> <p>A.- Precautions for safe manipulation Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.</p> <p>B.- Technical recommendations for the prevention of fires and explosions Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.</p> <p>C.- Technical recommendations to prevent ergonomic and toxicological risks Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.</p> <p>D.- Technical recommendations to prevent environmental risks It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)</p> <p>7.2 Conditions for safe storage, including any incompatibilities:</p> <p>A.- Technical measures for storage Store in a cool, dry, well-ventilated location</p> <p>B.- General conditions for storage Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5</p> <p>7.3 Specific end use(s): Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.</p>

SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate momomer	
Version: 2.0 Revision date: 02/08/2021	Page 5 of 13 Print date: 02/08/2021

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
	IOELV (8h)	1000 ppm	1920 mg/m ³
dimethyl ether CAS: 115-10-6 EC: 204-065-8	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
dimethyl ether CAS: 115-10-6 EC: 204-065-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1894 mg/m ³	Non-applicable
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,91 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	8,2 mg/m ³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
dimethyl ether CAS: 115-10-6 EC: 204-065-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	471 mg/m ³	Non-applicable
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	Oral	2 mg/kg	Non-applicable	0,52 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,04 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,45 mg/m ³	Non-applicable

PNEC:



Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
dimethyl ether CAS: 115-10-6 EC: 204-065-8	STP	160 mg/L	Fresh water		0,155 mg/L
	Soil	0,045 mg/kg	Marine water		0,016 mg/L
	Intermittent	1,549 mg/L	Sediment (Fresh water)		0,681 mg/kg
	Oral	Non-applicable	Sediment (Marine water)		0,069 mg/kg
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	STP	19,1 mg/L	Fresh water		0,32 mg/L
	Soil	0,34 mg/kg	Marine water		0,032 mg/L
	Intermittent	0,51 mg/L	Sediment (Fresh water)		11,5 mg/kg
	Oral	0,0116 g/kg	Sediment (Marine water)		1,15 mg/kg

8.2 Exposure controls:


A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.



B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Filter mask for particles	 CAT III	EN 149:2001+A1:2009	Replace when an increase in resistance to breathing is observed.

C.- Specific protection for the hands



SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate momomer	
Version: 2.0 Revision date: 02/08/2021	Page 6 of 13 Print date: 02/08/2021

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)





Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Protective gloves against minor risks			Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.



D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Antistatic and fireproof protective clothing		EN 1149-1:2006 EN 1149-2:1997 EN 1149-3:2004 EN 168:2002 EN ISO 14116:2015 EN 1149-5:2018	Limited protection against flames.
 Mandatory foot protection	Safety footwear with antistatic and heat resistant properties		EN ISO 13287:2013 EN ISO 20345:2011	Replace boots at any sign of deterioration.

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	17,62 % weight
V.O.C. density at 20 °C:	165,65 kg/m ³ (165,65 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable


SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:


Physical state at 20 °C:	Aerosol
Appearance:	Not available
Colour:	Not available
Odour:	Not available
Odour threshold:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate momomer	
Version: 2.0 Revision date: 02/08/2021	Page 7 of 13 Print date: 02/08/2021

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)	
Volatility:	
Boiling point at atmospheric pressure:	-12 °C (Propellant)
Vapour pressure at 20 °C:	Non-applicable *
Vapour pressure at 50 °C:	<300000 Pa (300 kPa)
Evaporation rate at 20 °C:	Non-applicable *
Product description:	
Density at 20 °C:	940 kg/m ³
Relative density at 20 °C:	Non-applicable *
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Recipient pressure:	Non-applicable *
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Flammability:	
Flash Point:	-83 °C (Propellant)
Heat of combustion:	Non-applicable *
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	460 °C (Propellant)
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Explosive:	
Lower explosive limit:	Non-applicable *
Upper explosive limit:	Non-applicable *
9.2 Other information:	
Surface tension at 20 °C:	Non-applicable *
Refraction index:	Non-applicable *
*Not relevant due to the nature of the product, not providing information property of its hazards.	


SECTION 10: STABILITY AND REACTIVITY	
10.1 Reactivity:	No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.
10.2 Chemical stability:	Chemically stable under the conditions of storage, handling and use.
10.3 Possibility of hazardous reactions:	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
10.4 Conditions to avoid:	

SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate momomer	
Version: 2.0 Revision date: 02/08/2021	Page 8 of 13 Print date: 02/08/2021

SECTION 10: STABILITY AND REACTIVITY (continued)				
Applicable for handling and storage at room temperature:				
Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable
10.5 Incompatible materials:				
Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases
10.6 Hazardous decomposition products:				
See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO ₂), carbon monoxide and other organic compounds.				

SECTION 11: TOXICOLOGICAL INFORMATION **				
11.1 Information on toxicological effects:				
The experimental information related to the toxicological properties of the product itself is not available				
Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .				
Dangerous health implications:				
In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:				
A- Ingestion (acute effect):				
<ul style="list-style-type: none"> - Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3. - Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. 				
B- Inhalation (acute effect):				
<ul style="list-style-type: none"> - Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3. - Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. 				
C- Contact with the skin and the eyes (acute effect):				
<ul style="list-style-type: none"> - Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for skin contact. For more information see section 3. - Contact with the eyes: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. 				
D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):				
<ul style="list-style-type: none"> - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3. - IARC: Non-applicable - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. 				
E- Sensitizing effects:				
<ul style="list-style-type: none"> - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3. - Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. 				
F- Specific target organ toxicity (STOT) - single exposure:				
Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.				
G- Specific target organ toxicity (STOT)-repeated exposure:				

** Changes with regards to the previous version


SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate momomer	
Version: 2.0 Revision date: 02/08/2021	Page 9 of 13 Print date: 02/08/2021

SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)	
<ul style="list-style-type: none"> - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. 	
H- Aspiration hazard:	
Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.	
Other information:	
Non-applicable	
Specific toxicology information on the substances:	
Identification	Acute toxicity
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	LD50 oral 632 mg/kg LD50 dermal >2000 mg/kg LC50 inhalation >20 mg/L (4 h)
Isobutane CAS: 75-28-5 EC: 200-857-2	LD50 oral >2000 mg/kg LD50 dermal >2000 mg/kg LC50 inhalation >5 mg/L (4 h)
Propane CAS: 74-98-6 EC: 200-827-9	LD50 oral >2000 mg/kg LD50 dermal >2000 mg/kg LC50 inhalation >5 mg/L (4 h)
dimethyl ether CAS: 115-10-6 EC: 204-065-8	LD50 oral >2000 mg/kg LD50 dermal >2000 mg/kg LC50 inhalation 308,5 mg/L (4 h)
Acute Toxicity Estimate (ATE mix):	
ATE mix	Ingredient(s) of unknown toxicity
Oral 16003,24 mg/kg (Calculation method)	0 %
Dermal >2000 mg/kg (Calculation method)	Non-applicable
Inhalation >20 mg/L (4 h) (Calculation method)	Non-applicable

** Changes with regards to the previous version

SECTION 12: ECOLOGICAL INFORMATION **	
The experimental information related to the eco-toxicological properties of the product itself is not available	
12.1 Toxicity:	
Identification	Acute toxicity
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	LC50 100 mg/L (96 h) EC50 131 mg/L (48 h) EC50 82 mg/L (72 h)
	Species Danio rerio Daphnia magna Pseudokirchneriella subcapitata
	Genus Fish Crustacean Algae
12.2 Persistence and degradability:	
Identification	Degradability
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	BOD5 Non-applicable COD Non-applicable BOD5/COD Non-applicable
	Biodegradability
	Concentration 20 mg/L Period 28 days % Biodegradable 14 %
12.3 Bioaccumulative potential:	
Identification	Bioaccumulation potential
Propane CAS: 74-98-6 EC: 200-827-9	BCF 13 Pow Log 2.86 Potential Low

** Changes with regards to the previous version


SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate momomer	
Version: 2.0 Revision date: 02/08/2021	Page 10 of 13 Print date: 02/08/2021

SECTION 12: ECOLOGICAL INFORMATION ** (continued)					
Identification		Bioaccumulation potential			
Isobutane CAS: 75-28-5 EC: 200-857-2		BCF	27		
		Pow Log	2.76		
		Potential	Low		
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0		BCF	8		
		Pow Log	3.17		
		Potential	Low		
12.4 Mobility in soil:					
Identification		Absorption/desorption		Volatility	
dimethyl ether CAS: 115-10-6 EC: 204-065-8		Koc	Non-applicable	Henry	Non-applicable
		Conclusion	Non-applicable	Dry soil	Non-applicable
		Surface tension	1,136E-2 N/m (25 °C)	Moist soil	Non-applicable
Propane CAS: 74-98-6 EC: 200-827-9		Koc	460	Henry	71636,78 Pa·m ³ /mol
		Conclusion	Moderate	Dry soil	Yes
		Surface tension	7,02E-3 N/m (25 °C)	Moist soil	Yes
Isobutane CAS: 75-28-5 EC: 200-857-2		Koc	35	Henry	120576,75 Pa·m ³ /mol
		Conclusion	Very High	Dry soil	Yes
		Surface tension	9,84E-3 N/m (25 °C)	Moist soil	Yes
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0		Koc	324.2	Henry	6E-3 Pa·m ³ /mol
		Conclusion	Moderate	Dry soil	Non-applicable
		Surface tension	Non-applicable	Moist soil	Non-applicable
12.5 Results of PBT and vPvB assessment:					
Product fails to meet PBT/vPvB criteria					
12.6 Other adverse effects:					
Not described					

** Changes with regards to the previous version

SECTION 13: DISPOSAL CONSIDERATIONS		
13.1 Waste treatment methods:		
Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 04*	gases in pressure containers (including halons) containing hazardous substances	Dangerous
Type of waste (Regulation (EU) No 1357/2014):		
HP3 Flammable		
Waste management (disposal and evaluation):		
Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.		
Regulations related to waste management:		
In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated		
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014		

SECTION 14: TRANSPORT INFORMATION
Transport of dangerous goods by land: With regard to ADR 2021 and RID 2021:

SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate momomer	
Version: 2.0 Revision date: 02/08/2021	Page 11 of 13 Print date: 02/08/2021

SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1950
14.2 UN proper shipping name: AEROSOLS, flammable
14.3 Transport hazard class(es): 2
Labels: 2.1
14.4 Packing group: N/A
14.5 Environmental hazards: No
14.6 Special precautions for user
Special regulations: 190, 327, 344, 625
Tunnel restriction code: D
Physico-Chemical properties: see section 9
Limited quantities: 1 L
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 39-18:



- 14.1 UN number:** UN1950
14.2 UN proper shipping name: AEROSOLS, flammable
14.3 Transport hazard class(es): 2
Labels: 2.1
14.4 Packing group: N/A
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: 63, 959, 190, 277, 327, 344
EmS Codes: F-D, S-U
Physico-Chemical properties: see section 9
Limited quantities: 1 L
Segregation group: Non-applicable
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2021:




- 14.1 UN number:** UN1950
14.2 UN proper shipping name: AEROSOLS, flammable
14.3 Transport hazard class(es): 2
Labels: 2.1
14.4 Packing group: N/A
14.5 Environmental hazards: No
14.6 Special precautions for user
Physico-Chemical properties: see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Non-applicable

SECTION 15: REGULATORY INFORMATION


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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable
Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable
Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable
Article 95, REGULATION (EU) No 528/2012: Non-applicable
REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable
Seveso III:

SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate momomer	
Version: 2.0 Revision date: 02/08/2021	Page 12 of 13 Print date: 02/08/2021

SECTION 15: REGULATORY INFORMATION (continued)			
Section	Description	Lower-tier requirements	Upper-tier requirements
P3a	FLAMMABLE AEROSOLS	150	500
<p>Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc) :</p> <p>Shall not be used in: —ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, —tricks and jokes, —games for one or more participants, or any article intended to be used as such, even with ornamental aspects.</p> <p>Specific provisions in terms of protecting people or the environment:</p> <p>It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.</p> <p>Other legislation:</p> <p>The product could be affected by sectorial legislation</p> <p>Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers</p> <p>Commission Directive 94/1/EC of 6 January 1994 adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of the relating Member States to aerosol dispensers</p> <p>Commission Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers</p> <p>Commission Directive 2013/10/EU of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures</p> <p>COMMISSION DIRECTIVE (EU) 2016/2037 of 21 November 2016 amending Council Directive 75/324/EEC as regards the maximum allowable pressure of aerosol dispensers and to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures</p> <p>15.2 Chemical safety assessment:</p> <p>The supplier has not carried out evaluation of chemical safety.</p>			

SECTION 16: OTHER INFORMATION
<p>Legislation related to safety data sheets:</p> <p>The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830).</p> <p>Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:</p> <p>COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):</p> <ul style="list-style-type: none"> · New declared substances <ul style="list-style-type: none"> Reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4) · Removed substances <ul style="list-style-type: none"> TCPP_Tris(2-chloro-1-methylethyl) phosphate_multiconstituent substance <p>Texts of the legislative phrases mentioned in section 2:</p> <p>H229: Pressurised container: May burst if heated. H222: Extremely flammable aerosol.</p> <p>Texts of the legislative phrases mentioned in section 3:</p> <p>The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3</p> <p>CLP Regulation (EC) No 1272/2008:</p> <p>Acute Tox. 4: H302 - Harmful if swallowed. Flam. Gas 1A: H220 - Extremely flammable gas. Press. Gas: H280 - Contains gas under pressure, may explode if heated.</p> <p>Classification procedure:</p> <p>Aerosol 1: Calculation method Aerosol 1: Calculation method</p> <p>Advice related to training:</p> <p>Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.</p> <p>Principal bibliographical sources:</p>

SAFETY DATA SHEET (in accordance with Regulation (EU) 2015/830)	
Gunfoam very low Isocyanate momomer	
Version: 2.0 Revision date: 02/08/2021	Page 13 of 13 Print date: 02/08/2021

SECTION 16: OTHER INFORMATION (continued)
<p> http://echa.europa.eu http://eur-lex.europa.eu </p> <p> Abbreviations and acronyms: ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5-day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50 Log-POW: Octanol-water partition coefficient Koc: Partition coefficient of organic carbon </p>

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.