CH06000003 - CHEMIFOAM ESPUMA POLIURETANO B1 PISTOLA

EC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1	Product identifier: CH06000003 - CHEMIFOAM ESPUMA POLIURETANO B1 PISTOLA
	Other means of identification:
	UFI: V101-M97U-UJ0H-E3K6
L.2	Relevant identified uses of the substance or mixture and uses advised against:
	Relevant uses: Foam
	Uses advised against: All uses not specified in this section or in section 7.3
1.3	Details of the supplier of the safety data sheet:
	Lusavouga Avenida Europa, 375
	3800-533 Aveiro - Cacia - Portugal
	Phone: +351 234 915 010 - Fax: +351 234 915 015 lusavouga@lusavouga.pt
	www.chemitool.com
1.4	Emergency telephone number: CIAV 800 250 250
SEC	TION 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.
	Acute Tox. 4: Acute inhalation toxicity, Category 4, H332
	Aerosol 1: Pressurised container: May burst if heated., H229 Aerosol 1: Flammable aerosols, Category 1, H222
	Carc. 2: Carcinogenicity, Category 2, H351
	Eye Irrit. 2: Eye irritation, Category 2, H319 Resp. Sens. 1: Sensitisation, respiratory, Category 1, H334
	Skin Irrit. 2: Skin irritation, Category 2, H315
	Skin Sens. 1: Sensitisation, skin, Category 1, H317 STOT RE 2: Specific target organ toxicity — Repeated exposure, Hazard Category 2, H373
	STOT KE 2. Specific target organ toxicity — Repeated exposure, nazard category 2, h373 STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335
2.2	Label elements:
	CLP Regulation (EC) No 1272/2008:
	Danger
	Hazard statements:
	Acute Tox. 4: H332 - Harmful if inhaled.
	Aerosol 1: H229 - Pressurised container: May burst if heated. Aerosol 1: H222 - Extremely flammable aerosol.
	Carc. 2: H351 - Suspected of causing cancer.
	Eye Irrit. 2: H319 - Causes serious eye irritation. Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	Skin Irrit. 2: H315 - Causes skin irritation.
	Skin Sens. 1: H317 - May cause an allergic skin reaction. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.
	STOT SE 3: H335 - May cause respiratory irritation.
	Precautionary statements:



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	TION 2: HAZARDS II		ontinued)								
	TION 2. TIAZANDO II		unded)								
	P211: Do not spray o			smoking.							
	P260: Do not breathe dust/fume/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/face protection. P284: Wear respiratory protection.										
	P302+P352: IF ON SF P305+P351+P338: IF Continue rinsing. P342+P311: If experi	(IN: Wash with plenty IN EYES: Rinse cautio encing respiratory sym	ously with water for several minutes. Remove contan ptoms: Call a POISON CENTER or doctor/physicia		easy to do						
	P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F P501: Dispose of contents/ container in accordance with local/regional/national/international regulation. Supplementary information:										
			ce an allergic reaction.								
		tribute to the classifi									
			ers and homologues; Tris(1-chloro-2-propyl) Phosp	bhate							
	Additional Labelling										
	Persons already sensi Persons suffering from This product should n type A1 according to s	tised to diisocyanates a asthma, eczema or s ot be used under cond standard EN 14387) is	s required before industrial or professional use. may develop allergic reactions when using this pro kin problems should avoid contact, including derm ditions of poor ventilation unless a protective mask used.	al contact, with this prod	uct. filter (i.e.						
~											
.3	Other hazards:										
.3	Product fails to meet I		t fails to meet the criteria.								
.3	Product fails to meet I		t fails to meet the criteria.								
-	Product fails to meet I	properties: The produc									
EC	Product fails to meet Endocrine-disrupting	properties: The produc									
EC	Product fails to meet I Endocrine-disrupting p	properties: The produc									
EC .1	Product fails to meet I Endocrine-disrupting p TION 3: COMPOSITI Substance:	properties: The produc									
EC .1	Product fails to meet I Endocrine-disrupting p TION 3: COMPOSIT Substance: Non-applicable Mixture:	properties: The produc	N ON INGREDIENTS								
EC .1	Product fails to meet I Endocrine-disrupting p TION 3: COMPOSIT Substance: Non-applicable Mixture:	oroperties: The produc	N ON INGREDIENTS								
EC .1	Product fails to meet I Endocrine-disrupting p TION 3: COMPOSIT Substance: Non-applicable Mixture: Chemical description Components:	ON/INFORMATION	N ON INGREDIENTS								
EC .1	Product fails to meet I Endocrine-disrupting p TION 3: COMPOSIT Substance: Non-applicable Mixture: Chemical description Components:	ON/INFORMATION	N ON INGREDIENTS		Concentratio						
EC .1	Product fails to meet I Endocrine-disrupting p TION 3: COMPOSIT Substance: Non-applicable Mixture: Chemical description Components: In accordance with Ar	oroperties: The produc ON/INFORMATION n: Mixture of substance nex II of Regulation (E	N ON INGREDIENTS ces EC) No 1907/2006 (point 3), the product contains:	ATP ATP01	Concentratio						
EC .1	Product fails to meet I Endocrine-disrupting p TION 3: COMPOSIT Substance: Non-applicable Mixture: Chemical description Components: In accordance with Ar Identification	oroperties: The produc ON/INFORMATION n: Mixture of substance nex II of Regulation (E	Ces CC) No 1907/2006 (point 3), the product contains: Chemical name/Classification	ATP ATP01 1: H334; Skin Irrit. 2:							
EC .1	Product fails to meet I Endocrine-disrupting p TION 3: COMPOSIT Substance: Non-applicable Mixture: Chemical description Components: In accordance with Ar Identification CAS: 9016-87-9 EC: 618-498-9 Index: Non-applicable REACH: Non-applicable REACH: Non-applicable CAS: 13674-84-5	ON/INFORMATION N: Mixture of substance nex II of Regulation (E 4,4'-methylenedipher	Ces EC) No 1907/2006 (point 3), the product contains: Chemical name/Classification nyl diisocyanate, isomers and homologues0 ¹⁰ Acute Tox. 4: H332; Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens. 1 H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335 - D	ATP ATP01 1: H334; Skin Irrit. 2:	Concentratio 30 - <45 %						
EC .1	Product fails to meet I Endocrine-disrupting p TION 3: COMPOSIT Substance: Non-applicable Mixture: Chemical description Components: In accordance with Ar Identification CAS: 9016-87-9 EC: 618-498-9 Index: Non-applicable REACH: Non-applicable	ON/INFORMATION N: Mixture of substance nex II of Regulation (E 4,4'-methylenedipher Regulation 1272/2008	Ces EC) No 1907/2006 (point 3), the product contains: Chemical name/Classification nyl diisocyanate, isomers and homologues0 ¹⁰ Acute Tox. 4: H332; Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens. 1 H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335 - D	ATP ATP01 I: H334; Skin Irrit. 2:							
EC .1	Product fails to meet I Endocrine-disrupting p TION 3: COMPOSIT Substance: Non-applicable Mixture: Chemical description Components: In accordance with Ar Identification CAS: 9016-87-9 EC: 618-498-9 Index: Non-applicable REACH: Non-applicable	ON/INFORMATION Mixture of substance Nex II of Regulation (E 4,4'-methylenedipher Regulation 1272/2008 Tris(1-chloro-2-propy	Ces Cos Chemical name/Classification nyl diisocyanate, isomers and homologues0 ⁴ 0 Acute Tox. 4: H332; Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens. 1 H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335 - D (I) Phosphate0 ⁴ 0	ATP ATP01 L: H334; Skin Irrit. 2: anger Self-classified	30 - <45 %						
EC 1	Product fails to meet I Endocrine-disrupting p TION 3: COMPOSIT Substance: Non-applicable Mixture: Chemical description Components: In accordance with Ar Identification CAS: 9016-87-9 EC: 618-498-9 Index: Non-applicable REACH: Non-applicable REACH: Non-applicable REACH: Non-applicable REACH: 01-2119480419-30- XXXX	oroperties: The production ON/INFORMATION n: Mixture of substance nex II of Regulation (E 4,4'-methylenedipher Regulation 1272/2008 Tris(1-chloro-2-propy Regulation 1272/2008	Ces Cos Chemical name/Classification nyl diisocyanate, isomers and homologues0 ⁴ 0 Acute Tox. 4: H332; Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens. 1 H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335 - D (I) Phosphate0 ⁴ 0	ATP ATP01 L: H334; Skin Irrit. 2: Self-classified	30 - <45 %						
_	Product fails to meet I Endocrine-disrupting p TION 3: COMPOSIT Substance: Non-applicable Mixture: Chemical description Components: In accordance with Ar Identification CAS: 9016-87-9 EC: 618-498-9 Index: Non-applicable REACH: 01-2119480119-30- XXXX CAS: 75-28-5 EC: 200-857-2 Index: 601-004-00-0 REACH: 01-2119485395-27-	oroperties: The product ON/INFORMATION n: Mixture of substance nex II of Regulation (E 4,4'-methylenedipher Regulation 1272/2008 Tris(1-chloro-2-propy Regulation 1272/2008 Isobutane ¹⁴ 0	Ces CON INGREDIENTS Ces EC) No 1907/2006 (point 3), the product contains: Chemical name/Classification nyl diisocyanate, isomers and homologues0 ¹⁰ Acute Tox. 4: H332; Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens. 1 H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335 - D I) Phosphate0 ¹⁰ Acute Tox. 4: H302+H312+H332 - Warning	ATP ATP01 L: H334; Skin Irrit. 2: Self-classified	5 - <20 %						



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SECT	ION 3: COMPOSITIO	N/INFORMATION	ON INGREDIEN	ITS (continued)		
	Identification		Cher	nical name/Classification		Concentration
	CAS: 115-10-6	dimethyl ether 11			ATP CLP00	
	EC: 204-065-8 Index: 603-019-00-8 REACH: 01-2119472128-37- XXXX	Regulation 1272/2008	Flam. Gas 1A: H220; Pre	ss. Gas: H280 - Danger	۲	2,5 - <10 %
	¹ Voluntarily-listed substance fa	ailing to meet any of the crite	ria set out in Regulation (I	EU) No. 2020/878		
	To obtain more informat	ion on the hazards of	the substances co	onsult sections 11, 12 and 16.		
	Other information:					
		Identification		Specific o	concentration limit	
	4,4´-methylenediphenyl diiso CAS: 9016-87-9 EC: 618-498-9	ocyanate, isomers and hor	nologues	% (w/w) >=5: Skin Irrit. 2 - H315 % (w/w) >=5: Eye Irrit. 2 - H319 % (w/w) >=0,1: Resp. Sens. 1 - H % (w/w) >=5: STOT SE 3 - H335	334	

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:

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Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product. **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 (COII).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

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.

5.3 Advice for firefighters:



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SECTION 5: FIREFIGHTING MEASURES (continued)

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.

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

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 spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

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.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

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.

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.

- C.- Technical recommendations on general occupational hygiene
 - Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
- 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)

7.2 Conditions for safe storage, including any incompatibilities:

- A.- Technical measures for storage
 - Minimum Temp.: 5 °C
 - Maximum Temp.: 30 °C
- B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

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SECTION 7: HANDLING AND STORAGE (continued)

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

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	Occupa	ational exposure lir	nits
dimethyl ether	IOELV (8h)	1000 ppm	1920 mg/m ³
CAS: 115-10-6 EC: 204-065-8	IOELV (STEL)		

DNEL (Workers):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
4,4 ⁻ -methylenediphenyl diisocyanate, isomers and homologues	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 9016-87-9	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 618-498-9	Inhalation	Non-applicable	0,1 mg/m ³	Non-applicable	0,05 mg/m ³
dimethyl ether	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 115-10-6	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 204-065-8	Inhalation	Non-applicable	Non-applicable	1894 mg/m ³	Non-applicable

DNEL (General population):

		Short	exposure	Long exposure	
Identification		Systemic	Local	Systemic	Local
4,4'-methylenediphenyl diisocyanate, isomers and homologues	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 9016-87-9	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 618-498-9	Inhalation	Non-applicable	0,05 mg/m ³	Non-applicable	0,025 mg/m ³
dimethyl ether	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 115-10-6	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 204-065-8	Inhalation	Non-applicable	Non-applicable	471 mg/m ³	Non-applicable

PNEC:

Identification				
4,4'-methylenediphenyl diisocyanate, isomers and homologues	STP	1 mg/L	Fresh water	1 mg/L
CAS: 9016-87-9	Soil	1 mg/kg	Marine water	0,1 mg/L
EC: 618-498-9	Intermittent	10 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
dimethyl ether	STP	160 mg/L	Fresh water	0,155 mg/L
CAS: 115-10-6	Soil	0,045 mg/kg	Marine water	0,016 mg/L
EC: 204-065-8	Intermittent	1,549 mg/L	Sediment (Fresh water)	0,681 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.069 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

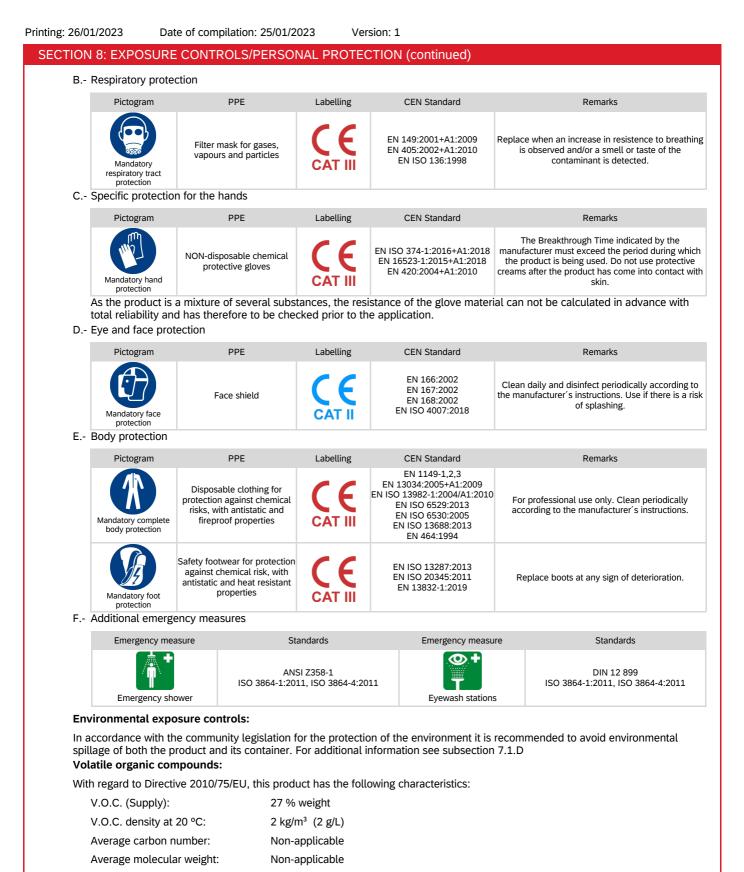
In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have CE marking in accordance with Directive 2016/425/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional 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.

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SECTIO	ON 9: PHYSICAL AND CHEMICAL P	ROPERTIES
9.1 l	nformation on basic physical and chem	ical properties:
F	For complete information see the product o	Jatasheet.
Þ	Appearance:	
F	Physical state at 20 °C:	Aerosol
A	Appearance:	Not available
C	Colour:	Grey
C	Ddour:	Not available
C	Ddour threshold:	Non-applicable *
١	/olatility:	
E	Boiling point at atmospheric pressure:	Non-applicable *
١	/apour pressure at 20 °C:	499959 Pa
١	/apour pressure at 50 °C:	Non-applicable *
E	Evaporation rate at 20 °C:	Non-applicable *
F	Product description:	
C	Density at 20 °C:	16 - 22 kg/m ³
F	Relative density at 20 °C:	Non-applicable *
C	Dynamic viscosity at 20 °C:	Non-applicable *
k	Kinematic viscosity at 20 °C:	Non-applicable *
k	Kinematic viscosity at 40 °C:	Non-applicable *
C	Concentration:	Non-applicable *
þ	DH:	Non-applicable *
ν.	/apour density at 20 °C:	Non-applicable *
F	Partition coefficient n-octanol/water 20 °C:	Non-applicable *
5	Solubility in water at 20 °C:	Non-applicable *
5	Solubility properties:	Non-applicable *
C	Decomposition temperature:	Non-applicable *
Ν	Melting point/freezing point:	Non-applicable *
F	Recipient pressure:	Non-applicable *
F	-lammability:	
F	Flash Point:	Non-applicable
F	Flammability (solid, gas):	Non-applicable *
A	Autoignition temperature:	Non-applicable *
L	ower flammability limit:	Non-applicable *
ι	Jpper flammability limit:	Non-applicable *
F	Particle characteristics:	
Ν	Median equivalent diameter:	Non-applicable
9.2 0	Other information:	
I	nformation with regard to physical haza	ard classes:
E	Explosive properties:	Non-applicable *
C	Dxidising properties:	Non-applicable *
C	Corrosive to metals:	Non-applicable *
ŀ	Heat of combustion:	Non-applicable *
*	Not relevant due to the nature of the product, not p	roviding information property of its hazards.

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SECTIC	ON 9: PHYSICAL AND CHEMICAL PROPER	TIES (continued)
C	erosols-total percentage (by mass) of flammable omponents: Other safety characteristics:	Non-applicable *
S	Surface tension at 20 °C:	Non-applicable *
R	refraction index:	Non-applicable *
*N	Not relevant due to the nature of the product, not providing info	ormation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

10.5

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

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Chemically stable under the indicated 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:

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			
Incompatible materials:	······································						
Acids	Water	Oxidising materials	Combustible materials	Others			

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 (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

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):
 - 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: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- B- Inhalation (acute effect):
 - Acute toxicity : Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
 - Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Produces skin inflammation.
 - Contact with the eyes: Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):



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CTION 11: TOXICOL	LOGICAL INFORMATION (continu	ed)				
			antina na tha manaible b			
section 2. IARC: 4,4'-me - Mutagenicity: hazardous for th - Reproductive	ity: Exposure to this product can cause of thylenediphenyl diisocyanate, isomers a Based on available data, the classificat his effect. For more information see secti toxicity: Based on available data, the cl zardous for this effect. For more informa cts:	and homologues (3) ion criteria are not met, as it do ion 3. lassification criteria are not met	bes not contain substanc	es classified a		
_		c recoiratory hyperconsitivity				
- Skin: Prolong	 Respiratory: Prolonged exposure can result in specific respiratory hypersensitivity. Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis. F- Specific target organ toxicity (STOT) - single exposure: 					
Causes irritation	n in respiratory passages, which is norma	ally reversible and limited to the	e upper respiratory pass	ages.		
G- Specific target o	organ toxicity (STOT)-repeated exposure	::				
nervous system - Skin: Based o	et organ toxicity (STOT)-repeated exposi causing headache, dizziness, vertigo, non available data, the classification criter his effect. For more information see section rd:	ausea, vomiting, confusion, and ria are not met, as it does not c	d in serious cases, loss c	of consciousne		
	ble data, the classification criteria are no nore information see section 3. :	ot met, as it does not contain si	ubstances classified as h	nazardous for		
Non-applicable						
Specific toxicology information on the substances:						
	Identification		Acute toxicity	Genus		
4,4'-methylenedipheny	Identification I diisocyanate, isomers and homologues	LD50 oral	>2000 mg/kg	Genus		
CAS: 9016-87-9		LD50 dermal	>2000 mg/kg >2000 mg/kg	Genus		
CAS: 9016-87-9 EC: 618-498-9	l diisocyanate, isomers and homologues	LD50 dermal LC50 inhalation	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi)			
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl)	l diisocyanate, isomers and homologues	LD50 dermal LC50 inhalation LD50 oral	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg	Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5	l diisocyanate, isomers and homologues	LD50 dermal LC50 inhalation LD50 oral LD50 dermal	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg	Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7	l diisocyanate, isomers and homologues	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h)	Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane	l diisocyanate, isomers and homologues	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg	Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5	l diisocyanate, isomers and homologues	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 oral LD50 dermal	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg	Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2	l diisocyanate, isomers and homologues	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 dermal LD50 dermal LC50 inhalation	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L	Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2 Propane	l diisocyanate, isomers and homologues	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 oral LD50 dermal	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg	Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2	l diisocyanate, isomers and homologues	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 dermal LD50 dermal LC50 inhalation	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L	Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2 Propane CAS: 74-98-6 EC: 200-827-9	l diisocyanate, isomers and homologues	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 dermal LD50 dermal	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg >2000 mg/kg	Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2 Propane CAS: 74-98-6 EC: 200-827-9 dimethyl ether	l diisocyanate, isomers and homologues	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 oral LD50 oral LD50 dermal	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >5 mg/L >2000 mg/kg	Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2 Propane CAS: 74-98-6 EC: 200-827-9	l diisocyanate, isomers and homologues	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 oral LD50 dermal LD50 dermal LD50 dermal	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg >2000 mg/kg	Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2 Propane CAS: 74-98-6 EC: 200-827-9 dimethyl ether CAS: 115-10-6 EC: 204-065-8	l diisocyanate, isomers and homologues Phosphate	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 oral LD50 dermal LD50 dermal LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg	Rat Rabbit Rabbit Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2 Propane CAS: 74-98-6 EC: 200-827-9 dimethyl ether CAS: 115-10-6	I diisocyanate, isomers and homologues Phosphate imate (ATE mix):	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 oral LD50 dermal LD50 dermal LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral LD50 oral	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg >2000 mg/kg >2000 mg/kg	Rat Rabbit Rat Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2 Propane CAS: 74-98-6 EC: 200-827-9 dimethyl ether CAS: 115-10-6 EC: 204-065-8 Acute Toxicity Esti	t diisocyanate, isomers and homologues Phosphate imate (ATE mix): ATE mix	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 oral LD50 oral LD50 dermal	 >2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >5 mg/L >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg 308,5 mg/L (4 h) Ingredient(s) of unknomical statements of the statements of the statements of the statements of the statement of the statemen	Rat Rabbit Rat Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2 Propane CAS: 74-98-6 EC: 200-827-9 dimethyl ether CAS: 115-10-6 EC: 204-065-8	t diisocyanate, isomers and homologues Phosphate imate (ATE mix): ATE mix 3326,32 mg/kg (Calculation	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LC50 inhalation LD50 dermal LC50 inhalation LD50 dermal LD50 der	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >5 mg/L >2000 mg/kg >5 mg/L >2000 mg/kg 308,5 mg/L (4 h)	Rat Rabbit Rat Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2 Propane CAS: 74-98-6 EC: 200-827-9 dimethyl ether CAS: 115-10-6 EC: 204-065-8 Acute Toxicity Esti	t diisocyanate, isomers and homologues Phosphate imate (ATE mix): ATE mix	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LD50 oral LC50 inhalation LD50 dermal LD50 dermal LD50 oral LD50 dermal LD50 oral LD50 dermal LD50 oral LD50 oral LD50 oral LD50 dermal D50 dermal LD50 dermal D50 dermal LD50 dermal LD50 dermal LD50 dermal D50 dermal	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg 308,5 mg/L (4 h) Ingredient(s) of unknoor %	Rat Rabbit Rat Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2 Propane CAS: 74-98-6 EC: 200-827-9 dimethyl ether CAS: 115-10-6 EC: 204-065-8 Acute Toxicity Esti Oral Dermal	t diisocyanate, isomers and homologues Phosphate imate (ATE mix): ATE mix 3326,32 mg/kg (Calculatior 10526,32 mg/kg (Calculatior 17,46 mg/L (4 h) (Calculatio	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LD50 oral LC50 inhalation LD50 dermal LD50 dermal LD50 oral LD50 dermal LD50 oral LD50 dermal LD50 oral LD50 oral LD50 oral LD50 dermal D50 dermal LD50 dermal D50 dermal LD50 dermal LD50 dermal LD50 dermal D50 dermal	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg 308,5 mg/L (4 h) Ingredient(s) of unknoor %	Rat Rabbit Rat Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2 Propane CAS: 74-98-6 EC: 200-827-9 dimethyl ether CAS: 115-10-6 EC: 204-065-8 Acute Toxicity Esti Oral Dermal Inhalation	t diisocyanate, isomers and homologues Phosphate imate (ATE mix): ATE mix 3326,32 mg/kg (Calculatior 10526,32 mg/kg (Calculatior 17,46 mg/L (4 h) (Calculation ther hazards:	LD50 dermal LC50 inhalation LD50 oral LD50 dermal LD50 oral LC50 inhalation LD50 dermal LD50 dermal LD50 oral LD50 dermal LD50 oral LD50 dermal LD50 oral LD50 oral LD50 oral LD50 dermal D50 dermal LD50 dermal D50 dermal LD50 dermal LD50 dermal LD50 dermal D50 dermal	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg 308,5 mg/L (4 h) Ingredient(s) of unknoor %	Rat Rabbit Rat Rat		
CAS: 9016-87-9 EC: 618-498-9 Tris(1-chloro-2-propyl) CAS: 13674-84-5 EC: 237-158-7 Isobutane CAS: 75-28-5 EC: 200-857-2 Propane CAS: 74-98-6 EC: 200-827-9 dimethyl ether CAS: 115-10-6 EC: 204-065-8 Acute Toxicity Esti Oral Dermal Inhalation 2 Information on oth Endocrine disrupti	t diisocyanate, isomers and homologues Phosphate imate (ATE mix): ATE mix 3326,32 mg/kg (Calculatior 10526,32 mg/kg (Calculatior 17,46 mg/L (4 h) (Calculation ther hazards:	LD50 dermal LC50 inhalation LD50 dermal LD50 dermal LC50 inhalation LD50 dermal LC50 inhalation LD50 dermal LD50 dermal LD50 dermal LC50 inhalation LD50 dermal LC50 inhalation LD50 dermal LD50 dermal LC50 inhalation LD50 dermal LC50 inhalation LD50 dermal LD50 dermal LC50 inhalation LD50 dermal LC50 inhalation LD50 dermal LD50 dermal LC50 inhalation C50 inhalation LD50 dermal LC50 inhalation LC50 inhalation No method) 0 6 On method) 0 6	>2000 mg/kg >2000 mg/kg 11 mg/L (ATEi) 632 mg/kg 2000 mg/kg 11 mg/L (4 h) >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg >5 mg/L >2000 mg/kg >2000 mg/kg 308,5 mg/L (4 h) Ingredient(s) of unknoor %	Rat Rabbit Rat Rat		

- CONTINUED ON NEXT PAGE -

Version: 1

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onita		. .		s of the product its	elf is r	not available			
2.1	ins phosphates. Excessive discharge may c Toxicity:	ause eutroph	lication.						
	Acute toxicity:								
	Identification			Concentration		Spec	ies	Genus	
	Tris(1-chloro-2-propyl) Phosphate		LC50	56,2 mg/L (96 h)		Brachyda	nio rerio	Fish	
	CAS: 13674-84-5		EC50	131 mg/L (48 h)		Daphnia	magna	Crustacean	
	EC: 237-158-7		EC50	45 mg/L (72 h)		Scenedesmus	subspicati	us Algae	
2.2	Persistence and degradability:								
	Identification		De	gradability		Bio	degradabili	ity	
	Tris(1-chloro-2-propyl) Phosphate	BOD	5	Non-applicable	Conc	entration	1	.00 mg/L	
	CAS: 13674-84-5	COD		Non-applicable	Perio	d	2	28 days	
	EC: 237-158-7	BOD	5/COD	Non-applicable	% Bio	odegradable	C) %	
2.3	Bioaccumulative potential:								
	Identification					Bioacci	umulation p	potential	
	Tris(1-chloro-2-propyl) Phosphate				BC	F	5		
	CAS: 13674-84-5				Po	w Log	2.59		
	EC: 237-158-7				Po	tential	Low		
	Isobutane				BC	F	27		
	CAS: 75-28-5				Po	w Log	2.76		
	EC: 200-857-2				Po	tential	Low		
	Propane				BC	F	13		
	CAS: 74-98-6				Po	w Log	2.86		
	EC: 200-827-9				Po	tential	Low		
2.4	Mobility in soil:								
	Identification		Abs	orption/desorption			Volatilit	ty	
	Isobutane	Кос		35		Henry	1	.20576,75 Pa·m³/mol	
	CAS: 75-28-5	Conc	lusion	Very High		Dry soil	Y	′es	
	EC: 200-857-2	Surfa	ce tension	9,84E-3 N/m (25	°C)	Moist soil	Y	′es	
	Propane	Кос		460		Henry	7	'1636,78 Pa∙m³/mol	
	CAS: 74-98-6	Conc	lusion	Moderate		Dry soil	Y	′es	

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SECT	26/01/2023	Date of compilation: 25/01	/2023 Version	: 1			
	TION 12: E	COLOGICAL INFORMATION	(continued)				
		Identification	Absor	otion/desorption		Volatility	
	dimethyl eth CAS: 115-10	ner)-6	Koc Conclusion	Non-applicable Non-applicable	Henry Dry soil	Non-applicable Non-applicable	
12.5	EC: 204-06	F PBT and vPvB assessment:	Surface tension	1,136E-2 N/m (25 °C)	Moist soil	Non-applicable	
	Product fa	ils to meet PBT/vPvB criteria					
12.6	Endocrine	e disrupting properties:					
	Endocrine	-disrupting properties: The product	fails to meet the crit	eria.			
12.7	Other adv	verse effects:					
	Not descri	bed					
SECT	FION 13: E	DISPOSAL CONSIDERATIONS	5				
13.1	Waste tre	atment methods:					
	Code		Description		Wa	ste class (Regulation (EU) No 1357/2014)	
	16 05 04	* gases in pressure containers (includ	ing halons) containing ha	zardous substances		Dangerous	
	Type of w	aste (Regulation (EU) No 1357/2	014):				
	HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity, HP7 Carcinogenic, HP13 Sensitising, HP4 Irritant — skin irritation and eye damage 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. Waste should not be disposed of to drains. See paragraph 6.2.						
	should not	be disposed of to drains. See par	agraph 6.2.			-uangerous residue. Waste	
	should not Regulatio In accorda	: be disposed of to drains. See par ns related to waste managemen nce with Annex II of Regulation (E	agraph 6.2. t:			-	
	should not Regulatio In accorda manageme	be disposed of to drains. See par ns related to waste managemen	agraph 6.2. t: C) No 1907/2006 (RE	ACH) the community	or state provisio	-	
	should not Regulatio In accorda manageme	: be disposed of to drains. See par- ns related to waste managemen nce with Annex II of Regulation (E ent are stated	agraph 6.2. t: C) No 1907/2006 (RE	ACH) the community	or state provisio	-	
SECT	should not Regulatio In accorda manageme Communit	: be disposed of to drains. See par- ns related to waste managemen nce with Annex II of Regulation (E ent are stated	agraph 6.2. t: C) No 1907/2006 (RE	ACH) the community	or state provisio	-	
SECT	should not Regulatio In accorda manageme Communit	: be disposed of to drains. See par- ns related to waste managemen ince with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC RANSPORT INFORMATION	agraph 6.2. t: C) No 1907/2006 (RE	ACH) the community	or state provisio	-	
SECT	should not Regulatio In accorda manageme Communit	t be disposed of to drains. See para ns related to waste managemen ince with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC RANSPORT INFORMATION rt of dangerous goods by land:	agraph 6.2. t: C) No 1907/2006 (RE	ACH) the community	or state provisio	-	
SECT	should not Regulatio In accorda manageme Communit	: be disposed of to drains. See par- ns related to waste managemen ince with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC RANSPORT INFORMATION	agraph 6.2. t: C) No 1907/2006 (RE	ACH) the community	or state provisio	-	
SECT	Should not Regulatio In accorda managem Communit TION 14: T Transpo With rega 14.1 14.2	the disposed of to drains. See para ns related to waste managemen ince with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC TRANSPORT INFORMATION rt of dangerous goods by land: ard to ADR 2021 and RID 2021: UN number or ID number: UN proper shipping name:	agraph 6.2. t: C) No 1907/2006 (RE , 2014/955/EU, Regu Non-applicable Non-applicable	ACH) the community	or state provisio	-	
SECT	should not Regulatio In accorda manageme Communit TION 14: 1 Transpo With rega 14.1	the disposed of to drains. See para ns related to waste managemen ince with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC TRANSPORT INFORMATION rt of dangerous goods by land: and to ADR 2021 and RID 2021: UN number or ID number: UN proper shipping name: Transport hazard class(es):	agraph 6.2. t: C) No 1907/2006 (RE , 2014/955/EU, Regu Non-applicable Non-applicable Non-applicable	ACH) the community	or state provisio	-	
SECT	Should not Regulatio In accorda manageme Communit TION 14: 1 Transpo With rega 14.1 14.2 14.3	the disposed of to drains. See para ns related to waste management ince with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC RANSPORT INFORMATION rt of dangerous goods by land: and to ADR 2021 and RID 2021: UN number or ID number: UN proper shipping name: Transport hazard class(es): Labels:	agraph 6.2. t: C) No 1907/2006 (RE , 2014/955/EU, Regu Non-applicable Non-applicable Non-applicable Non-applicable	ACH) the community	or state provisio	-	
SECT	Should not Regulatio In accorda manageme Communit TION 14: 1 Transpo With rega 14.1 14.2 14.3	the disposed of to drains. See para ns related to waste managemen ince with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC TRANSPORT INFORMATION rt of dangerous goods by land: and to ADR 2021 and RID 2021: UN number or ID number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Environmental hazards:	agraph 6.2. t: C) No 1907/2006 (RE , 2014/955/EU, Regu Non-applicable Non-applicable Non-applicable	ACH) the community	or state provisio	-	
SECT	Should not Regulatio In accorda managem Communit TION 14: T Transpo With rega 14.1 14.2 14.3 14.4	the disposed of to drains. See para ns related to waste managemen ince with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC TRANSPORT INFORMATION rt of dangerous goods by land: and to ADR 2021 and RID 2021: UN number or ID number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Environmental hazards: Special precautions for user	agraph 6.2. t: C) No 1907/2006 (RE , 2014/955/EU, Regu Non-applicable Non-applicable Non-applicable Non-applicable Non-applicable Non-applicable No	ACH) the community	or state provisio	-	
SECT	Should not Regulatio In accorda managem Communit TION 14: T Transpo With rega 14.1 14.2 14.3 14.4 14.5	the disposed of to drains. See para ns related to waste managemen ince with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC TRANSPORT INFORMATION rt of dangerous goods by land: and to ADR 2021 and RID 2021: UN number or ID number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Environmental hazards: Special precautions for user Special regulations:	agraph 6.2. t: C) No 1907/2006 (RE , 2014/955/EU, Regu Non-applicable Non-applicable Non-applicable Non-applicable No Non-applicable	ACH) the community	or state provisio	-	
SECT	Should not Regulatio In accorda managem Communit TION 14: T Transpo With rega 14.1 14.2 14.3 14.4 14.5	the disposed of to drains. See para ns related to waste managemen ince with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC TRANSPORT INFORMATION rt of dangerous goods by land: and to ADR 2021 and RID 2021: UN number or ID number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Environmental hazards: Special precautions for user	agraph 6.2. t: C) No 1907/2006 (RE , 2014/955/EU, Regu Non-applicable Non-applicable Non-applicable Non-applicable Non-applicable Non-applicable No	ACH) the community	or state provisio	-	
SECT	Should not Regulatio In accorda managem Communit TION 14: T Transpo With rega 14.1 14.2 14.3 14.4 14.5	t be disposed of to drains. See para ns related to waste managemen nce with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC TRANSPORT INFORMATION rt of dangerous goods by land: and to ADR 2021 and RID 2021: UN number or ID number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Environmental hazards: Special precautions for user Special regulations: Tunnel restriction code: Physico-Chemical properties: Limited quantities:	agraph 6.2. t: C) No 1907/2006 (RE , 2014/955/EU, Regu Non-applicable Non-applicable Non-applicable Non-applicable No Non-applicable No	ACH) the community	or state provisio	-	
SECT	Should not Regulatio In accorda Communit TION 14: T Transpo With rega 14.1 14.2 14.3 14.4 14.5 14.6	the disposed of to drains. See para ns related to waste managemen ince with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC TRANSPORT INFORMATION rt of dangerous goods by land: and to ADR 2021 and RID 2021: UN number or ID number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Environmental hazards: Special precautions for user Special regulations: Tunnel restriction code: Physico-Chemical properties: Limited quantities: Maritime transport in bulk according to IMO instruments:	agraph 6.2. t: C) No 1907/2006 (RE , 2014/955/EU, Regu Non-applicable Non-applicable Non-applicable Non-applicable No Non-applicable No Non-applicable No	ACH) the community	or state provisio	-	
SECT	should not Regulatio In accorda manageme Communit Transpo With rega 14.1 14.2 14.3 14.4 14.5 14.6 14.7 Transpo	the disposed of to drains. See para ns related to waste managemen ince with Annex II of Regulation (E ent are stated y legislation: Directive 2008/98/EC TRANSPORT INFORMATION rt of dangerous goods by land: and to ADR 2021 and RID 2021: UN number or ID number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Environmental hazards: Special precautions for user Special regulations: Tunnel restriction code: Physico-Chemical properties: Limited quantities: Maritime transport in bulk	agraph 6.2. t: C) No 1907/2006 (RE , 2014/955/EU, Regu Non-applicable Non-applicable Non-applicable Non-applicable Non-applicable No Non-applicable No Non-applicable No Non-applicable See section 9 Non-applicable	ACH) the community	or state provisio	-	

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legislation

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CTION 14: 1	TRANSPORT INFORMATION	continued)	
14.1	UN number or ID number:	Non-applicable	
14.2	UN proper shipping name:	Non-applicable	
14.3	Transport hazard class(es):	Non-applicable	
	Labels:	Non-applicable	
14.4		Non-applicable	
14.5	Marine pollutant:	No	
14.6	Special precautions for user		
	Special regulations: EmS Codes:	Non-applicable	
	Physico-Chemical properties:	see section 9	
	Limited quantities:	Non-applicable	
	Segregation group:	Non-applicable	
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable	
Transpo	rt of dangerous goods by air:		
With rega	ard to IATA/ICAO 2022:		
14.1	UN number or ID number:	Non-applicable	
14.2	UN proper shipping name:	Non-applicable	
14.3	Transport hazard class(es):	Non-applicable	
	Labels:	Non-applicable	
14.4	Packing group:	Non-applicable	
14.5	Environmental hazards:	No	
14.6	Special precautions for user		
	Physico-Chemical properties:	see section 9	
14.7	Maritime transport in bulk according to IMO instruments:	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:

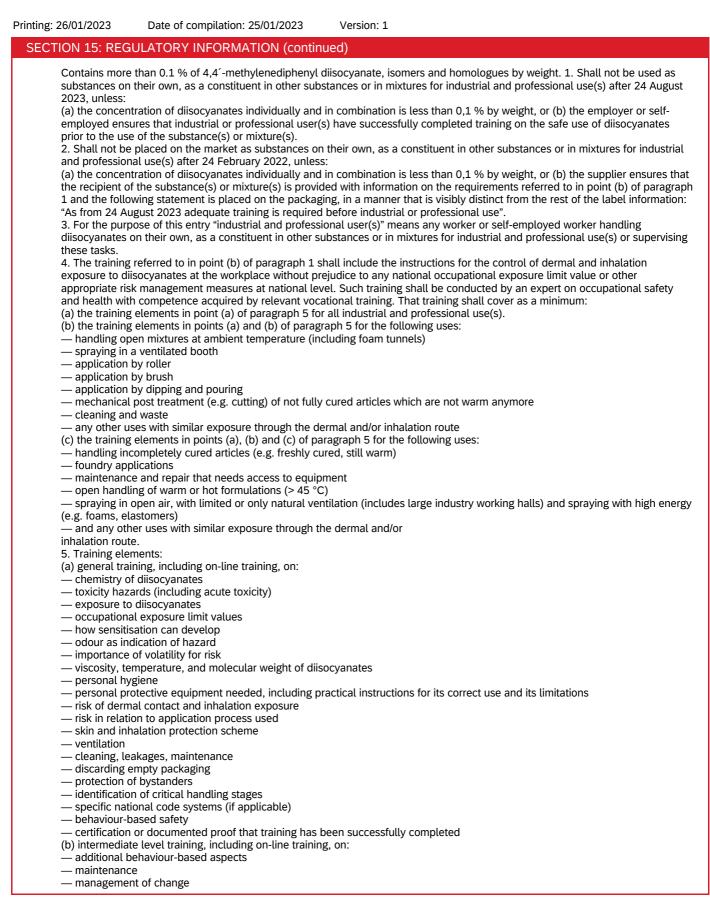
Section	Description	Lower-tier requirements	Upper-tier requirements
P3a	FLAMMABLE AEROSOLS	150	500
Limitations	to commercialisation and the use of certain dangerous substances and mixtures	(Annex XVII RE	EACH, etc):



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legislation

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- CONTINUED ON NEXT PAGE -

CHEMITOOL

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ECTION 15: REG	ULATORY INFORMATION (continued)	
 risk in relati certification advanced t any additio 	of existing safety instructions on to application process used or documented proof that training has been successfully completed raining, including on-line training, on: nal certification needed for the specific uses covered	
 — open handl — certification 6. The training Member State 	tside a spraying booth ing of hot or warm formulations (> 45 °C) or documented proof that training has been successfully completed shall comply with the provisions set by the Member State in which the industrial or professional user(s) oper s may implement or continue to apply their own national requirements for the use of the substance(s) or mix minimum requirements set out in paragraphs 4 and 5 are met.	
7. The supplie pursuant to pa	r referred to in point (b) of paragraph 2 shall ensure that the recipient is provided with training material and c ragraphs 4 and 5 in the official language(s) of the Member State(s) where the substance(s) or mixture(s) are training shall take into consideration the specificity of the products supplied, including composition, packagir	
8. The employ training shall b	er or self-employed shall document the successful completion of the training referred to in paragraphs 4 and e renewed at least every five years.	l 5. Th
(a) any establi	ites shall include in their reports pursuant to Article 117(1) the following information: shed training requirements and other risk management measures related to the industrial and professional u foreseen in national law	ses of
(b) the numbe relation to diis	r of cases of reported and recognised occupational asthma and occupational respiratory and dermal disease ocyanates	s in
(d) informatior	posure limits for diisocyanates, if there are any about enforcement activities related to this restriction. tion shall apply without prejudice to other Union legislation on the protection of safety and health of workers	s at the
	articles intended to produce light or colour effects by means of different phases, for example in ornamental l	.amps
—games for o Contains more distributed in i protective glov	ne or more participants, or any article intended to be used as such, even with ornamental aspects. than 0.1 % of 4,4'-methylenediphenyl diisocyanate, isomers and homologues by weight. This product may ts present form for first-time sale to the general public after 27th December 2010 unless the packaging conta res meeting the provisions of Regulation (EU) 2016/425.	
Specific prov	sions in terms of protecting people or the environment:	
	ded to use the information included in this safety data sheet as a basis for conducting workplace-specific ris n order to establish the necessary risk prevention measures for the handling, use, storage and disposal of thi	
Other legislat		
The product c	buld be affected by sectorial legislation	
dispensers Commission I approximation Commission I	ve 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol Directive 94/1/EC of 6 January 1994 adapting some technicalities of Council Directive 75/324/EEC on the of the laws of the relating Member States to aerosol dispensers Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council D in the approximation of the laws of the Member States relating to aerosol dispensers	virectiv
Commission D the Member S European Parl	irective 2013/10/EU of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the l tates relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 iament and of the Council on classification, labelling and packaging of substances and mixtures DIRECTIVE (EU) 2016/2037 of 21 November 2016 amending Council Directive 75/324/EEC as regards the	

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

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

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 (COMMISSION REGULATION (EU) 2020/878).

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	ER INFORMATION (continued)
Modifications Non-applicabl	related to the previous Safety Data Sheet which concerns the ways of managing risks.:
	egislative phrases mentioned in section 2:
H315: Causes	
	use allergy or asthma symptoms or breathing difficulties if inhaled.
	use an allergic skin reaction. red of causing cancer.
	use respiratory irritation.
H373: May ca	use damage to organs through prolonged or repeated exposure.
H332: Harmfu	
	ised container: May burst if heated. Ily flammable aerosol.
	serious eye irritation.
	egislative phrases mentioned in section 3:
	dicated do not refer to the product itself; they are present merely for informative purposes and refer to the individu
•	hich appear in section 3 on (EC) No 1272/2008:
-	H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
Acute Tox. 4:	H332 - Harmful if inhaled.
	- Suspected of causing cancer.
	19 - Causes serious eye irritation. H220 - Extremely flammable gas.
	280 - Contains gas under pressure, may explode if heated.
Resp. Sens. 1	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	315 - Causes skin irritation. 1317 - May cause an allergic skin reaction.
	373 - May cause damage to organs through prolonged or repeated exposure.
	335 - May cause respiratory irritation.
Classification	
	Iculation method Calculation method
	Calculation method
Carc. 2: Calcu	
	alculation method Alculation method
	Calculation method
	culation method
	culation method
Advice relate	lculation method
	ommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and
	of this safety data sheet, as well as the label on the product.
-	iographical sources:
http://echa.eu http://eur-lex.e	
	s and acronyms:
	n agreement concerning the international carriage of dangerous goods by road
	tional maritime dangerous goods code
	onal Air Transport Association
	ional Civil Aviation Organisation Il Oxygen Demand
	ochemical oxygen demand
BCF: Bioconce	ntration factor
LD50: Lethal [oose 50 Concentration 50
	e concentration 50
LogPOW: Octa	nolwater partition coefficient
	coefficient of organic carbon
	rmula identifier ional Agency for Research on Cancer
IARC. IIItemat	Unal Agency for Research on Cancer





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The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -