

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Reference number: 100000266 Issue date: 21/08/2002 Revision date: 08/06/2021 Version: 7.0

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

1.1. Product identifier

Product form Trade name Vaporizer

- : Mixture
- : Soudabond Easy Gun
- : Aerosol

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

1.2.1. Relevant identified uses

Intended for general public Main use category Use of the substance/mixture

- : Consumer use,Professional use : Polyurethane
- 1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Soudal N.V. Everdongenlaan 18-20 2300 Turnhout Belgium T +32 14 42 42 31, F +32 14 42 65 14 sds@soudal.com, www.Soudal.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Militaire Reine Astrid	Rue Bruyn 1 1120 Brussels	+32 70 245 245	Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1	H222;H229
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Respiratory sensitisation, Category 1	H334
Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335
Specific target organ toxicity – Repeated exposure, Category	2 H373
Full text of H- and EUH-statements: see section 16	2 11070

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Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) GHS02 GHS07 GHS08 Signal word (CLP) Danger : Contains Isocyanate MDI Polymeric (Foam) Hazard statements (CLP) H222 - Extremely flammable aerosol. H229 - Pressurised container: May burst if heated. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H332 - Harmful if inhaled. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 - May cause respiratory irritation. H351 - Suspected of causing cancer. H373 - May cause damage to organs through prolonged or repeated exposure. Precautionary statements (CLP) : 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. P308+P313 - IF exposed or concerned: Get medical advice/attention. P405 - Store locked up. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Extra phrases Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used. As from 24 August 2023 adequate training is required before industrial or professional use.

2.3. Other hazards

The product does not meet the PBT and vPvB classification criteria

Contains no PBT and/or vPvB substances \geq 0.1% assessed in accordance with REACH Annex XIII

Component	
dimethyl ether (115-10-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
propane (74-98-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
isobutane (75-28-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
polymethylene polyphenyl isocyanate (9016-87-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
polymethylene polyphenyl isocyanate	CAS-No.: 9016-87-9 EC-No.: 248-740-5	≥ 25 – < 50	Carc. 2, H351 Resp. Sens. 1, H334 Skin Sens. 1, H317 Acute Tox. 4 (Inhalation), H332 (ATE=1,5 mg/l/4h) STOT RE 2, H373 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
reaction products of phosphoryl trichloride and 2- methyloxirane	CAS-No.: 1244733-77-4 EC-No.: 807-935-0 REACH-no: 01-2119486772- 26	≥ 10 – < 25	Acute Tox. 4 (Oral), H302 (ATE=632 mg/kg bodyweight) Aquatic Chronic 3, H412
dimethyl ether (Propellant gas (Aerosol))	CAS-No.: 115-10-6 EC-No.: 204-065-8 EC Index-No.: 603-019-00-8 REACH-no: 01-2119472128- 37	≥ 10 – < 25	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
isobutane (Propellant gas (Aerosol))	CAS-No.: 75-28-5 EC-No.: 200-857-2 EC Index-No.: 601-004-00-0 REACH-no: 01-2119485395- 27	≥ 5 – < 10	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
propane (Propellant gas (Aerosol))	CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5 REACH-no: 01-2119486944- 21	≥1-<5	Flam. Gas 1A, H220 Press. Gas (Liq.), H280

Comments

: polymethylene polyphenyl isocyanate, contains > 0.1% MDI isomers

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case. Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

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First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.			
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.			
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.			
4.2. Most important symptoms and effects, both acute and delayed				
Symptoms/effects after inhalation	: May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.			
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.			
Symptoms/effects after eye contact	: Eye irritation.			

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

Treat symptomatically.

SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media Unsuitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide. : None known.		
5.2. Special hazards arising from the substance or mixture			
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	 Extremely flammable aerosol. Pressurised container: May burst if heated. Toxic fumes may be released. 		
5.3. Advice for firefighters			
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
6.1.1. For non-emergency personnel			
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.		
6.1.2. For emergency responders			
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".		
6.2. Environmental precautions			
Avoid release to the environment.			
6.3. Methods and material for containment and cleaning up			
Methods for cleaning up	: Leave the product to solidify. Mechanically recover the product. Carefully collect the spill/leftovers. Notify authorities if product enters sewers or public waters. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling		

For further information refer to section 13.

6.4. Reference to other sections

Other information

: Dispose of materials or solid residues at an authorized site.

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	any incompatibilities
Storage conditions Incompatible products Packaging materials	 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Heat sources. Ignition sources. Strong bases. Strong acids. Aerosol.
7.3. Specific end use(s)	

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

dimethyl ether (115-10-6)			
EU - Indicative Occupational Exposure Limit (IOEL)			
Local name	Dimethylether		
IOEL TWA	1920 mg/m ³		
	1000 ppm		
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC		
Belgium - Occupational Exposure Limits			
Local name	Oxyde de diméthyle # Dimethylether		
OEL TWA	1920 mg/m³		
	1000 ppm		
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021		
propane (74-98-6)			
Belgium - Occupational Exposure Limits			
Local name	Hydrocarbures aliphatiques sous forme gazeuse: (Alcanes C1-C3) # Alifatische koolwaterstoffen in gas-vorm: Alkanen (C1-C3)		
OEL TWA	1000 ppm		
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021		
isobutane (75-28-5)			
Belgium - Occupational Exposure Limits			
Local name	Butane, tous isomères: iso-butane # Butaan, alle isomeren: iso-butaan		

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isobutane (75-28-5)	
OEL STEL	2370 mg/m³
	980 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses (EN 166)

8.2.2.2. Skin protection

Skin and body protection: Protective clothing (EN 14605 or EN 13034)

Hand protection: Protective gloves against chemicals (EN 374)

8.2.2.3. Respiratory protection

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties	
9.1 Information on basic physical and chemical properties	

- : Liquid : Variable.
- : Aerosol.

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Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Extremely flammable aerosol.
Explosive properties	: Pressurised container: May burst if heated.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 993 kg/m³ (20°C)
Relative density	: 0,993 (20°C)
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable
0.2 Other information	
9.2. Other information	

9.2.1. Information with regard to physical hazard classes		
% of flammable ingredients	:	20 %
9.2.2. Other safety characteristics		
VOC content	:	< 21 % (208.53 g/l)

SECTION 10: Stability and reactivity
10.1. Reactivity
Extremely flammable aerosol. Pressurised container: May burst if heated.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)

- : Not classified
- : Not classified
- : Inhalation:dust,mist: Harmful if inhaled.

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Soudabond Easy Gun		
ATE CLP (dust,mist)	3,548 mg/l/4h	
dimethyl ether (115-10-6)		
LC50 Inhalation - Rat [ppm]	164000 ppm (4 h, Rat, Male, Experimental value, Inhalation (gases), 14 day(s))	
propane (74-98-6)	·	
LC50 Inhalation - Rat [ppm]	> 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases))	
isobutane (75-28-5)		
LC50 Inhalation - Rat [ppm]	> 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases))	
polymethylene polyphenyl isocyanate (9016-8	37-9)	
LD50 oral rat	> 10000 mg/kg (Rat, Literature study, Oral)	
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Literature study, Dermal)	
reaction products of phosphoryl trichloride a	nd 2-methyloxirane (1244733-77-4)	
LD50 oral rat	632 mg/kg	
LD50 dermal rat	> 2000 mg/kg	
LC50 Inhalation - Rat	> 7 mg/l/4h	
Skin corrosion/irritation :	Causes skin irritation.	
propane (74-98-6)		
рН	No data available in the literature	
polymethylene polyphenyl isocyanate (9016-8	37-9)	
рН	No data available in the literature	
Serious eye damage/irritation :	Causes serious eye irritation.	
propane (74-98-6)		
рН	No data available in the literature	
polymethylene polyphenyl isocyanate (9016-87-9)		
рН	No data available in the literature	
Respiratory or skin sensitisation :	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an	
Germ cell mutagenicity :	allergic skin reaction. Not classified	
	Suspected of causing cancer.	
polymethylene polyphenyl isocyanate (9016-87-9)		
IARC group	3 - Not classifiable	
	Not classified	
	May cause respiratory irritation.	
polymethylene polyphenyl isocyanate (9016-87-9)		
STOT-single exposure	May cause respiratory irritation.	
STOT-repeated exposure :	May cause damage to organs through prolonged or repeated exposure.	
polymethylene polyphenyl isocyanate (9016-8	37-9)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure (if inhaled).	
Aspiration hazard :	Not classified	

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Soudabond Easy Gun		
Vaporizer	Aerosol	
propane (74-98-6)		
Viscosity, kinematic	No data available in the literature	
isobutane (75-28-5)		
Viscosity, kinematic	0,013 mm²/s	
polymethylene polyphenyl isocyanate (9016-87-9)		
Viscosity, kinematic	No data available in the literature	
11.2. Information on other hazards		

No additional information available

SECTION 12: Ecological information		
12.1. Toxicity		
Hazardous to the aquatic environment, short–term : (acute)	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified Not classified	
dimethyl ether (115-10-6)		
LC50 - Fish [1]	> 4100 mg/l (NEN 6504: Water - Determination of toxicity with Poecilia reticulata, 96 h, Poecilia reticulata, Semi-static system, Fresh water, Experimental value, Lethal)	
EC50 - Crustacea [1]	> 4400 mg/l (NEN 6501: Water - Determination of toxicity with Daphnia magna, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Lethal)	
EC50 96h - Algae [1]	154,9 mg/l (ECOSAR v1.00, Algae, QSAR, Estimated value)	
propane (74-98-6)		
LC50 - Fish [1]	50 mg/l (96 h, Pisces, Fresh water, QSAR, Estimated value)	
EC50 96h - Algae [1]	12 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)	
isobutane (75-28-5)		
LC50 - Fish [1]	27,98 mg/l (ECOSAR v1.00, 96 h, Pisces, Fresh water, QSAR)	
EC50 96h - Algae [1]	8,57 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)	
polymethylene polyphenyl isocyanate (9016-87-9)		
LC50 - Other aquatic organisms [1]	> 1000 mg/l (96 h, Literature study)	
reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)		
LC50 - Fish [1]	51 mg/l Pimephalis promelas	
EC50 - Crustacea [1]	131 mg/l Daphnia magna	
EC50 72h - Algae [1]	82 mg/l Pseudokirchnerella subcapitata	
NOEC chronic crustacea	32 mg/l	
NOEC chronic algae	13 mg/l	

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12.2. Persistence and degradability		
dimethyl ether (115-10-6)		
Persistence and degradability	not readily degradable in water.	
propane (74-98-6)		
Persistence and degradability	Readily biodegradable in water.	
isobutane (75-28-5)		
Persistence and degradability	Readily biodegradable in water.	
polymethylene polyphenyl isocyanate (9016-87-9)		
Persistence and degradability	not readily degradable in water.	
reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)		
Persistence and degradability	not readily degradable in water.	
Biodegradation	14 % OECD 301E	
12.3. Bioaccumulative potential		
dimethyl ether (115-10-6)		
Partition coefficient n-octanol/water (Log Pow)	0,1 (Experimental value)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
propane (74-98-6)		
Partition coefficient n-octanol/water (Log Pow)	1,1 – 2,8 (Experimental value, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
isobutane (75-28-5)		
Partition coefficient n-octanol/water (Log Pow)	1,09 – 2,8 (Experimental value, 20 °C)	

Partition coefficient n-octanol/water (Log Pow)	1,09 – 2,8 (Experimental value, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
polymethylene polyphenyl isocyanate (9016-87-9)		
BCF - Fish [1]	268,1 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	10,46 (Calculated, KOWWIN)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)		
BCF - Fish [1]	0,8 – 14	

BCF - Fish [1]	0,8 – 14
Partition coefficient n-octanol/water (Log Pow)	2,68

12.4. Mobility in soil

propane (74-98-6)		
Surface tension	No data available in the literature	
Ecology - soil	Not applicable (gas).	
polymethylene polyphenyl isocyanate (9016-87-9)		
Surface tension	No data available in the literature	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	9,078 – 10,597 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	

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polymethylene polyphenyl isocyanate (9016-87-9)		
Ecology - soil	Product adsorbs onto the soil.	
reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2,24	
12.5. Results of PBT and vPvB assessment		
Soudabond Easy Gun		
The product does not meet the PBT and vPvB classification criteria		
Component		
dimethyl ether (115-10-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
propane (74-98-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
isobutane (75-28-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
polymethylene polyphenyl isocyanate (9016-87-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
12.6. Endocrine disrupting properties		

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	S
13.1. Waste treatment methods	
Waste treatment methods Sewage disposal recommendations Additional information	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Do not discharge into drains or the environment. Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.
Ecological information European List of Waste (LoW, EC 2000/532)	 Avoid release to the environment. 08 05 01* - waste isocyanates 16 05 04* - gases in pressure containers (including halons) containing dangerous substances 15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID number				
UN 1950	UN 1950	UN 1950	UN 1950 UN 1950	
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS

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ADR	IMDG	ΙΑΤΑ	ADN	RID
Transport document descr	iption			1
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS,	2.1 UN 1950 Aerosols, flammable, 2.1	UN 1950 AEROSOLS, 2.1	UN 1950 AEROSOLS, 2.
14.3. Transport hazard o	class(es)	,		
2.1	2.1	2.1	2.1	2.1
14.4. Packing group	1			1
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	zards	,	'	,
Dangerous for the environment: NoDangerous for the environment: No Marine pollutant: No		Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information	on available			
14.6. Special precaution	s for user			
Overland transport				
Classification code (ADR)	:	5F		
Special provisions (ADR)	:	190, 327, 344, 625		
_imited quantities (ADR)	:	11		
Excepted quantities (ADR)	:	E0		
Packing instructions (ADR)	:	: P207, LP200		
Special packing provisions (A	DR) :	: PP87, RR6, L2		
Vixed packing provisions (AD	DR) :	: MP9		
Transport category (ADR)	:	: 2		
Special provisions for carriage	e - Packages (ADR) :	: V14		
Special provisions for carriage - Loading, unloading		: CV9, CV12		
and handling (ADR)		22		
1 1 3 -1 ()		: S2 : D		
Tunnel restriction code (ADR)) :	D		
Transport by sea				
		: 63, 190, 277, 327, 344, 381, 959		
,		: P207, LP200		
Special packing provisions (IMDG) :		: PP87, L2		
EmS-No. (Fire)		: F-D		
EmS-No. (Spillage)	:	S-U		
		M Le const		

Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69
Air transport	
PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

: None

Stowage category (IMDG)

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Inland waterway transport

Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN)	:	5F 190, 327, 344, 625 1 L E0
Equipment required (ADN) Ventilation (ADN)		PP, EX, A VE01, VE04
Number of blue cones/lights (ADN)	:	1
Rail transport Classification code (RID)		5F
Special provisions (RID)	:	190, 327, 344, 625
Limited quantities (RID)	:	1L
Excepted quantities (RID)	:	E0
Packing instructions (RID)		P207, LP200
Special packing provisions (RID)	:	PP87, RR6, L2
Mixed packing provisions (RID)	:	MP9
Transport category (RID)	•	2
Special provisions for carriage – Packages (RID)	:	W14
Special provisions for carriage - Loading, unloading and handling (RID)	:	CW9, CW12
Colis express (express parcels) (RID)	:	CE2
Hazard identification number (RID)	:	23

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	Soudabond Easy Gun	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	Soudabond Easy Gun ; polymethylene polyphenyl isocyanate ; reaction products of phosphoryl trichloride and 2- methyloxirane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	reaction products of phosphoryl trichloride and 2-methyloxirane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
56.	polymethylene polyphenyl isocyanate	Methylenediphenyl diisocyanate (MDI)
56(a)	polymethylene polyphenyl isocyanate	Methylenediphenyl diisocyanate (MDI) isomers: 4,4'-Methylenediphenyl diisocyanate
56(b)	polymethylene polyphenyl isocyanate	Methylenediphenyl diisocyanate (MDI) isomers: 2,4'-Methylenediphenyl diisocyanate

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EU restriction list (REACH Annex XVII)			
Reference code Applicable on Entry title or description			
56(c)	polymethylene polyphenyl isocyanate	Methylenediphenyl diisocyanate (MDI) isomers: 2,2'-Methylenediphenyl diisocyanate	
74.	polymethylene polyphenyl isocyanate	Diisocyanates, O = C=N-R-N = C=O, with R an aliphatic or aromatic hydrocarbon unit of unspecified length	

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content

: < 21 % (208.53 g/l)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes				
Section	Changed item	Change	Comments	
	according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878			
2.2		Modified		
3	Composition/information on ingredients	Modified		

Abbreviations and acronyms:		
ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways		
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	

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Abbreviations and acronyms:			
BLV	Biological limit value		
BOD	Biochemical oxygen demand (BOD)		
COD	Chemical oxygen demand (COD)		
DMEL	Derived Minimal Effect level		
DNEL	Derived-No Effect Level		
EC-No.	European Community number		
EC50	Median effective concentration		
EN	European Standard		
IARC	International Agency for Research on Cancer		
ΙΑΤΑ	International Air Transport Association		
IMDG	International Maritime Dangerous Goods		
LC50	Median lethal concentration		
LD50	Median lethal dose		
LOAEL	Lowest Observed Adverse Effect Level		
NOAEC	No-Observed Adverse Effect Concentration		
NOAEL	No-Observed Adverse Effect Level		
NOEC	No-Observed Effect Concentration		
OECD	Organisation for Economic Co-operation and Development		
OEL	Occupational Exposure Limit		
РВТ	Persistent Bioaccumulative Toxic		
PNEC	Predicted No-Effect Concentration		
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail		
SDS	Safety Data Sheet		
STP	Sewage treatment plant		
ThOD	Theoretical oxygen demand (ThOD)		
TLM	Median Tolerance Limit		
VOC	Volatile Organic Compounds		
CAS-No.	Chemical Abstract Service number		
N.O.S.	Not Otherwise Specified		
vPvB	Very Persistent and Very Bioaccumulative		
ED	Endocrine disrupting properties		

Full text of H- and EUH-statements:		
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Inhalation:dust,mist)	cute toxicity (inhalation:dust,mist) Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aerosol 1	Aerosol, Category 1	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	

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Full text of H- and EU	IH-statements:	
Carc. 2	Carcinogenicity, Category 2	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Gas 1A	Flammable gases, Category 1A	
H220	Extremely flammable gas.	
H222	Extremely flammable aerosol.	
H229	Pressurised container: May burst if heated.	
H280	Contains gas under pressure; may explode if heated.	
H302	Harmful if swallowed.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
H335	May cause respiratory irritation.	
H351	Suspected of causing cancer.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H412	Harmful to aquatic life with long lasting effects.	
Press. Gas (Liq.)	Gases under pressure : Liquefied gas	
Resp. Sens. 1	Respiratory sensitisation, Category 1	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Aerosol 1	H222;H229	On basis of test data
Acute Tox. 4 (Inhalation:dust,mist)	H332	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Resp. Sens. 1	H334	Calculation method
Skin Sens. 1	H317	Calculation method
Carc. 2	H351	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.