

# POLYURETANE ADHESIVE FOAM IN SPRAYER FASTERFIX B1

Subject to Regulation (EC) No1907/2006 of the European Parliament and of the Council EC 1907/2006 as amended by Council Directive (EU) 2015/830

Version: 2017 EN  
Creation date in ENG: 27.3.2017

Revision date: 5.12.2018

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
1.1	<b>Product identifier:</b> TER-1753/B1
1.2	<b>Relevant identified uses of the substance or mixture and uses advised against:</b> Filler and sealant
1.3	<b>Details of the supplier of the safety data sheet:</b>
1.3.1	<b>Company specification</b>
	Company name: Dakota Group
	Address: Via Pitagora, 3 – 37010 AFFI (VR) - ITALY
	Identification no.: 07971400960
	Tel./fax.: + 39 045 62.84.080
	www: www.dakota.eu
	e-mail: info@dakota.eu
SECTION 2 HAZARDS IDENTIFICATION	
2.1	<b>Classification of the substance or mixture</b>
2.1.1	<b>Classification according to EU Regulation no. 1272/2008</b> Aerosol 1 H222, H229 Acute Tox. 4 H302, H332 STOT RE 2 H373 Eye Irrit. 2 H319 STOT SE 3 H335 Skin Irrit. 2 H315 Resp. Sens. 1 H334 Skin Sens. 1 H317 Carc. 2 H351  The full text of "H-phrases" is stated in Section 16 of this Safety Data Sheet. Classification notes: Note: The calculation method takes into account the requirements of the CLP Regulation for the classification of aerosols in line with paragraph 1.1.3.7 of Annex I, Part 1, CLP.
2.1.2	<b>The most serious adverse physico-chemical effects</b> Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Build up of explosive mixtures possible without sufficient ventilation.
2.1.3	<b>The most serious adverse effects on human health</b> Harmful if swallowed. Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure. Causes serious eye irritation. May cause respiratory irritation. Causes skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer.  Persons with airways hypersensitivity (e.g. asthma, chronic bronchitis) must not come into contact with the product. Symptoms may also occur with overexposure airways after a few hours. Dust, vapours and aerosols are harmful to respiratory tract.
2.1.4	<b>The most serious adverse effects on the environment</b> Not known

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2.2	<b>Label elements</b>
2.2.1	<p><b>The label elements in accordance with Regulation no. (EC) no. 1272/2008</b></p>  <p>DANGER</p> <p>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. 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. H302 + H332 Harmful if swallowed or if inhaled 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. P261 Avoid breathing spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF ON SKIN: Wash with plenty of water and soap. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. P501 Dispose of container as hazardous waste. EUH204 Contains isocyanates. May produce an allergic reaction.</p> <p>Content: Diphenylmethanediisocyanate, isomers and homologues; tris(2-chloro-1-methylethyl)phosphate</p> <p><b>Information according to Commission REGULATION (EC) No 552/2009 of 22 June 2009, that must appear on the label of the product.</b> Persons already sensitized 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.</p>
2.3	<p><b>Other hazards</b> The mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII of EU Regulation 1907/2006.</p>
2.4	<p><b>Further information</b> Not to be used in a range of ignition sources. Further information necessary to be added to the product label complying with other regulations, see Section 15.</p>

## SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2		Mixtures	
Prepolymer (composition polyol and polymeric isocyanate) with freon-free low-boiling propulsion medium			
Hazardous substances:	Index No. EINECS. CAS No. Registration No.	Content (% ww)	Classification Classification acc. (EC) No. 1272/2008
Diphenylmethanediisocyanate, isomers and homologues	- - 9016-87-9 -	30-60	Carc. 2 H351 Acute Tox. 4 H332 STOT RE 2 H373 Eye Irrit. 2 H319 STOT SE 3 H335 Skin Irrit. 2 H315 Resp. Sens. 1 H334 Skin Sens. 1 H317
tris(2-chloro-1-methylethyl)phosphate	- 237-158-7 13674-84-5 01-2119486772-26	25-30	Acute tox. 4 H302
Reaction mass of 2-ethylpropane-1,3-diol and 5-ethyl-1,3-dioxane-5-methanol and propylidynetrimethanol	- - 904-153-2 01-2119488034-38-xxxx	1-2	Eye Irrit. 2; H319

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Isobutane	601-004-00-0 200-857-2 75-28-5 -	5-10	Flam. Gas 1 H220 Press. Gas H280
Dimethylether	603-019-00-8 204-065-8 115-10-6 01-2119472128-37	5-10	Flam. Gas 1 H220 Press. Gas H280
Propane	601-003-00-5 200-827-9 74-98-6 -	1-5	Flam. Gas 1 H220 Press. Gas H280

Full text of H-phrases is described in Section 16 of this Safety Data Sheet

**SECTION 4 FIRST AID MEASURES**

4.1	<b>Description of first aid measures</b>
4.1.1	<b>General information</b> In the case of health problems or if in doubt, seek medical advice and provide information from this safety data sheet. In case of unconsciousness place patient in recovery position and await ambulance.
4.1.2	<b>In case of inhalation:</b> Stop exposure to vapours and relocate patient from exposure to the fresh air. . Ensure the patient is calm and rests, avoiding physical exertion. Avoid exposure to cold. In case of breathing difficulties seek medical help.
4.1.3	<b>In case of eye contact:</b> Remove contact lenses if used. Immediately rinse eyes with clean and lukewarm running water for at least 15 min. Eyes should be wide open especially to rinse under eyes lids. Seek medical advice if the pain or eye redness persists.
4.1.4	<b>In case of contact with skin:</b> Remove contaminated clothing, rinse contaminated skin with soap under running water. If there are signs of a strong irritation (redness of the contaminated skin) or skin damage, seek medical advice.
4.1.5	<b>In case of ingestion:</b> Not anticipated. An aerosol spray. Calm the victim and keep him/her in warm. Seek medical advice immediately and show product label or this safety data sheet.
4.2	<b>Most important symptoms and effects, both acute and delayed.</b> In case of inhalation irritation of mucous membranes of the airways can occur in sensitive people. Local skin irritation (redness, itchiness). Degreases and dries skin. Local eye conjunctiva irritation (redness, burning eyes, eye watering) May cause irritation to the gastrointestinal tract accompanied by abdominal pain and nausea, even vomiting and diarrhoea can occur.
4.3	<b>Indication of any immediate medical attention and special treatment needed</b> In standard use immediate medical attention is not needed required only if the symptoms become more pronounced.

**SECTION 5 FIREFIGHTING MEASURES**

5.1	<b>Extinguishing media</b>
5.1.1	<b>Suitable extinguishing media:</b> Carbon dioxide (CO <sub>2</sub> ), multipurpose powders, sand, soil
5.1.2	<b>Unsuitable extinguishing media:</b> Water in small quantities and a full water jet. Water can be used only for cooling products (containers) near the fire.
5.2	<b>Special hazards arising from the substance or mixture:</b> Product contains easily flammable vapours and liquids. In case of fire smoke is created and carbon oxides (CO and CO <sub>2</sub> ) can occur, soot, various hydrocarbons and aldehydes are also created by incomplete combustion and thermolysis. Do not inhale combustion gases. As gases are usually heavier than air they gather at the lowest points and there is risk of re-ignition or explosion. The propellant gas explosive limit with air at standard temperature and vapour or mist volume is 1,5 – 1,6 %. Fire residues and contaminated fire extinguishing liquid must be disposed off according to local rules and regulations. Remove products away from fire or at least cool them with a water jet.
5.3	<b>Advice for fire fighters:</b> In case of fire, wear suitable protective equipment – respiratory/breathing apparatus.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

6.1	<b>Personal precautions, protective equipment and emergency procedures</b>
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6.1.1	<b>For non - emergency personnel</b> Avoid contact with eyes and skin. Do not inhale any gases/vapours/aerosols. Ensure effective ventilation. Due to the potential exposure to hazardous agents, wear suitable protective equipment (resistant gloves, protective glasses and clothing). Eliminate all sources of ignition. Switch off all electrical devices that can create sparks (Sections 7 and 8). Gas vapours are heavier than air. Do not allow vapours to drain.
6.1.2	<b>For emergency responders</b> See section 8
6.2	<b>Environmental precautions</b> Avoid draining into sewage/surface water/ground water.
6.3	<b>Methods and material for containment and cleaning up</b> Cover the contaminated area with damp soil or sand and allow at least for 30 minutes for this to take effect. Then remove mechanically. PU CLEANER product or organic solvents such as acetone can remove uncured foam.
6.3	<b>Reference to other sections</b> See sections 7, 8 and 13
6.3	<b>Methods and material for containments and cleaning up</b> Cover the contaminated area with moist soil and leave for at least 30 minutes to react. Remove the debris afterwards. Fresh foam can be cleaned with PU-CLEANER or organic solvents like acetone.
6.4	<b>Reference to other sections</b> For further information, see Sections 7, 8 and 13

## SECTION 7 HANDLING AND STORAGE

7.1	<b>Precautions for safe handling</b> Avoid contact with skin and eyes. Do not inhale any gases/vapours/aerosols. Ensure effective ventilation. Due to the potential exposure to hazardous agents, wear suitable protective equipment (resistant gloves, protective glasses and clothing). Do not smoke. Switch off all electrical devices that can create sparks (Sections 7 and 8). Implement precautionary measures to prevent the accumulation of an electrostatic charge. Work in accordance with an instruction manual - special protective measures are not necessary.
7.1.1	<b>Preventive measures to protect the environment:</b> If used normally not necessary. In case of accident see section 6.
7.1.2	<b>Specific requirements or rules relating to the substance or mixture:</b> Store in original containers in a cool dry place. Keep away from heat sources.
7.2	<b>Conditions for safe storage, including any incompatibilities</b> Store in original container in a cool dry place. Keep away from heat sources. Avoid accumulation of static electricity. No smoking.
7.2.1	<b>Requirements on type of material used in the packaging / container:</b> Aerosol cans –material FE (40) or ALU (41). Do not store with food, beverages and animal feed. Keep out of reach of children The products are under constant pressure! Keep out of direct sunlight and do not expose to temperatures exceeding +50 °C
7.3	<b>Specific end use(s)</b> The mixture is applied by spraying on the areas to be filled with PU foam.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1	<b>Control parameters</b>		
8.1.1	<b>Substances for which following concentration of occupational exposure limit values are set (COMMISSION DIRECTIVE 2000/39/EC as amended)</b>		
	<b>Chemical name</b>	<b>CAS Number</b>	<b>Eight hours</b>
	Dimethylether	115-10-6	1920 mg/ m <sup>3</sup> 1000 ppm
			<b>Short-term</b> 2000
The lists valid during the making were used as basis. Information relevant in the country of distribution to be added			
8.1.2	<b>Values DNEL and PNEC</b>		
	Mixture values are not available.		
8.1.2.1	<b>Values DNEL for the mixture components</b>		
<b>CAS: 101-68-8: 4,4'-methylendiphenyl diisocyanate</b>			
<b>DNEL</b>	Consumer	<b>Effects for workers (professionals)</b>	

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Route	Acute Local effects	Acute Systemic effects	Chronic Local effects	Chronic Systemic effects	Acute Local effects	Acute Systemic effects	Chronic Local effects	Chronic Systemic effects
Oral		20 mg/kg bw/d	n.a.	n.a.				
Inhalation	0.05 mg/m <sup>3</sup>	0.05 mg/ m <sup>3</sup>	0,025 mg/ m <sup>3</sup>	0,025 mg/ m <sup>3</sup>	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	0.05 mg/ m <sup>3</sup>	0.05 mg/m <sup>3</sup>
Dermal	17.2 mg/cm <sup>2</sup>	25 mg/kg bw/d	n.a.	n.a.	28.7 mg/cm <sup>2</sup>	50 mg/kg bw/d	n.a.	n.a.

**PNEC**

Fresh water	1 mg/l
Marine water	0,1 mg/l
sporadic release	10 mg/kg
Sewage Treatment Plant	1 mg/kg
Terrestrial Compartment	1 mg/kg soil

**CAS: 13674-84-5 tris(2-chlor-1-methylethyl)fosfát**

DNEL	Consumer				Workers			
Route	Acute Local effects	Acute Systemic effects	Chronic Local effects	Chronic Systemic effects	Acute Local effects	Acute Systemic effects	Chronic Local effects	Chronic Systemic effects
Oral								
Inhalation						22,4 mg/m <sup>3</sup>		5,82 mg/m <sup>3</sup>
Dermal						8 mg/kg bw/d		2,08 mg/kg bw/d

**PNEC**

Fresh water	0,64 mg/l
Marine water	0,064 mg/l
Sewage Treatment Plant	7,84 mg/kg
sediment (Fresh water):	13,4 mg/kg
sediment (Marine water):	1,34 mg/kg
Soil:	1,7 mg/kg

8.1.3	<b>Recommended measurements methods in the work environment</b> Gas chromatography
8.1.4	<b>The Values of biological exposure tests (BET)</b> Not listed
8.1.5	<b>Recommended procedures for determining biological exposure tests:</b> Not listed
8.1.6	<b>Exposure scenarios</b> Currently not handled
8.2	<b>Exposure controls</b>
8.2.1	<b>Appropriate engineering controls</b> No special equipment is required provided that the product is handled in accordance with the general principles of hygiene and public safety. It is recommended that the product is used in well-ventilated areas.
8.2.2	<b>Individual protection measures, such as personal protective equipment</b> When selecting protective equipment, the employer must ensure that relevant standards are met. To avoid any doubts, a manufacturer's delivery certificate should be available. It must be ensured that correct protective equipment is available to potential users. Regulations for personal protective equipment (Czech Rep.): CSN EN 166, CSN EN 149, CSN EN 340, ČSN EN 374-1
8.2.2.1	<b>A General hygienic and protective measures</b> While working with the product Do not eat, drink or smoke. Avoid contact with eyes and skin. When you stop working with the product wash your hands. Pregnant women should avoid inhalation and skin contact.

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8.2.2.2	<b>Respiratory protection</b> Under standard usage not necessary, however a prolonged stay in poorly ventilated areas exceeding the use of appropriate respiratory protective equipment – (from gas and combined filters) is essential.
8.2.2.3	<b>Hand protection</b> Suitable materials for safety gloves; EN 374 : Polychloroprene - CR: thickness $\geq 0,5\text{mm}$ ; breakthrough time $\geq 480\text{min}$ Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$ ; breakthrough time $\geq 480\text{min}$ . Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$ ; breakthrough time $\geq 480\text{min}$ Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$ ; breakthrough time $\geq 480\text{min}$ Recommendation: contaminated gloves should be disposed of.
8.2.2.4	<b>Eye protection</b> Protective glasses
8.2.2.5	<b>Protecting skin (the whole body)</b> Protective work clothing; do not eat, drink or smoke while working; Remove soiled or contaminated clothing. Wash clothing before re-using. After work, Wash hands with warm water and soap and Use suitable skin care products.
8.2.3	<b>Environmental exposure controls</b> Not necessary when used as required, avoid entering into surface waterways and sewers.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

9.1	Information on basic physical and chemical properties
Appearance:	Liquid in aerosol containers
Odour	According to product specifications
Odour Threshold	Not specified
Colour	Not specified
pH	Not applicable
Melting point/freezing point	Not assessed at the foam MDI: $< 0\text{ }^{\circ}\text{C}$ , ISO 3016
Boiling point/boiling range	Not specified
Flash point	MDI: $> 200\text{ }^{\circ}\text{C}$ , DIN 53171
Evaporation rate	propellant is released, the emerging PU-foam does not evaporate
Flammability (solid, gas)	extremely flammable aerosol
Upper/lower flammability or explosive limits	16 vol % (liquefied gas) 1,5 vol % (liquefied gas)
Vapour pressure	$< 0,7\text{ MPa}$ (at $20\text{ }^{\circ}\text{C}$ ) - liquefied gas; $< 0,0001\text{ hPa}$ - MDI
Vapour density	unknown
Relative density	1,2 g/cm <sup>3</sup> (at $20\text{ }^{\circ}\text{C}$ ) – without the propulsion gas 1,1 g/cm <sup>3</sup> (at $20\text{ }^{\circ}\text{C}$ ) – included propulsion gas
Solubility In water In organic solvents	insoluble, reacts with water soluble in polar organic solvents before curing
Partition coefficient: n-octanol/water	Not specified
Auto-ignition temperature	226 $^{\circ}\text{C}$ at 1 013 hPa (dimethylether)
Decomposition temperature	Not specified
Viscosity	For the mixture not known MDI: $\geq 200\text{ mPa}\cdot\text{s}$ at $20\text{ }^{\circ}\text{C}$ , DIN 53019
Explosive properties	Product is not explosive but it is possible to form explosive mixtures with air.
Oxidising properties	unknown
9.2	<b>Other information</b>

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Organic solvents content (propulsion gas)	0,2 kg/kg of product
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SECTION 10 STABILITY AND REACTIVITY	
10.1	<b>Reactivity</b> The product under standard conditions of use is stable and does not degrade.
10.2	<b>Chemical stability</b> The product under standard conditions of use is stable and does not degrade.
10.3	<b>Possibility of hazardous reactions</b> Reacts with substances containing active hydrogen, including water - and / or air humidity, carbon dioxide is produced and increases the pressure in closed containers. Also strong acids and strong oxidizing agents, e.g. hydrogen peroxide, nitric acid ...
10.4	<b>Conditions to avoid</b> Temperatures above the flash point, open flames, static electricity, under standard conditions of use hazardous reactions are not known.
10.5	<b>Incompatible materials</b> Strong acids, strong oxidizing agents, water. Eg.: Hydrogen peroxide, nitric acid ...
10.6	<b>Hazardous decomposition products</b> Under standard usage does not occur. Incomplete combustion creates smoke and toxic gases (eg. CO, NO, HCN), various hydrocarbons, aldehydes and soot. Inhalation is hazardous.
10.7	<b>Further information</b>
10.7.1	<b>Potentially dangerous exothermic reaction</b> in contact with water, the temperature and pressure increases (inside the can)
10.7.2	<b>Changes in physical properties effecting stability and safety of the mixture</b> If increased pressure and temperature (in a can =inside of the packaging) there is a risk of an aerosol can bursting.
10.7.3	<b>Hazardous degradation products when in contact with water</b> When sprayed, reacts with water and curing into PU foam.

SECTION 11 TOXICOLOGICAL INFORMATION	
11.1	<b>Information on toxicological effects</b>
11.1.1	<b>Mixture</b>
	For mixture (content of cartridge) are not relevant toxicological data available. The mixture was evaluated by calculation methods
	Acute toxicity: Harmful if swallowed. Harmful if inhaled.
	Skin corrosion/ irritation: Causes skin irritation.
	Serious eye damage/irritation: Causes serious eye irritation.
	Skin sensitisation/ Respiratory sensitisation: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
	Germ cell mutagenicity: Data not available
	Carcinogenicity: Suspected of causing cancer.
	Reproductive toxicity: Data not available
	STOT-single exposure: May cause respiratory irritation.
	STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.
	Aspiration hazard: does not meet the classification criteria
11.2	<b>Experience from human exposure</b>
	<u>4,4'-methylenediphenyl diisocyanate:</u> Special features / effects: There is a risk of concentration independent irritation effect on eyes, nose, throat and respiratory track if over exposed. There can be late manifestations of problems and hypersensitivity development (difficulty in breathing, coughing, asthma). Hypersensitive individuals may experience reactions at very low concentrations of isocyanate, also still below the values NPK-P. If prolonged contact with the skin, there are possible effects of dryness and irritation.
11.3	<b>Further information:</b> Contradiction between the data for components of the product and the actual effect on humans. The mixture is evaluated by conventional computational methods.

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SECTION 12 ECOLOGICAL INFORMATION							
12.1	<p><b>Toxicity</b> For mixture (content of cartridge) are not relevant toxicological data available. <u>4,4'-methylenediphenyl diisocyanate</u> LC50 &gt; 1.000 mg/l Danio rerio 96 h (OECD 203) EC50 &gt; 1.000 mg/l Daphnia magna, 24 h. (OECD 202) NOEC &gt; 10 mg/l Daphnia magna 21 d (OECD 202) ErC50 &gt; 1.640 mg/l scenedesmus subspicatus 72 h., (OECD 201) EC50 &gt; 100 mg/l activated sludge, 3 h., (OECD 209) NOEC &gt; 1.000 mg/kg Eisenia fetida, 14 d. (OECD 207) NOEC &gt; 1.000 mg/kg Avena sativa, 14 d. (OECD 208) NOEC &gt; 1.000 mg/kg Avena sativa expozice: 14 d. (OECD 208) NOEC &gt; 1.000 mg/kg Lactuca sativa, 14 d. (OECD 208) NOEC (growth rate) &gt; 1.000 mg/kg Lactuca sativa, 14 d. (OECD 208)</p>						
12.2	<p><b>Persistence and degradability</b> <b>Biodegradability:</b> <u>Diphenylmethanediisocyanate</u> Type of test: aerobic The inoculum: activated sludge Biodegradation: 0%, 28 d, ie. is not potentially degradable Method: OECD 302 C for testing Pursuant the test results of biodegradability this product is not readily biodegradable.</p>						
12.3	<p><b>Bioaccumulative potential</b> <u>Diphenylmethanediisocyanate</u> Bioconcentration factor (BCF): &lt; 14 Type: Cyprinus carpio (carp) duration of exposure: 42 d Concentration: 0,2 mg/l Method: OECD 305 C for testing Significantly does not accumulate in organisms. Substance hydrolyzes in water rapidly. Study of the hydrolysis products.</p>						
12.4	<p><b>Mobility in soil</b> Is very limited due to chemical reaction with water to form insoluble product - PU foam</p> <table border="0"> <tr> <td>- distribution into the environment</td> <td>not specified</td> </tr> <tr> <td>- surface tension</td> <td>not specified</td> </tr> <tr> <td>- absorption or desorption</td> <td>not specified</td> </tr> </table>	- distribution into the environment	not specified	- surface tension	not specified	- absorption or desorption	not specified
- distribution into the environment	not specified						
- surface tension	not specified						
- absorption or desorption	not specified						
12.5	<p><b>Results of PBT and vPvB assessments</b> Not available</p>						
12.6	<p><b>Other adverse effects</b> Avoid (Do not allow) propellants entering drains. Isocyanate reacts with water at the interface with formation of CO<sub>2</sub> and forms a solid insoluble substance with high melting point (polyurea). This reaction is strongly supported by surface-active agents /surfactants (e.g. liquid soaps) or water-soluble solvents. As per so far presented experience polyuria is still inert and non-degradable.</p>						
SECTION 13 DISPOSAL CONSIDERATION							
13.1	<p><b>Waste treatment methods</b> All Waste must be handled in accordance with national regulations. Do not mix with household waste. This is a hazardous waste.</p>						
13.1.1	<p><b>The potential risk in waste disposal.</b> no significant risk at disposal, but empty containers/cans may contain unreacted components.</p>						
13.1.2	<p><b>Disposal methods of the mixture</b> Uncured material to be treated as hazardous waste. Aerosol cans with the contents remains must be disposed of as hazardous waste, eg. in a hazardous waste incinerator Recommended cleaning agent: PU foam cleaner for uncured foam. Cured foam can only be removed mechanically.</p>						
13.1.3	<p><b>Recommended waste classification</b></p>						
13.1.3.1	<p><b>Mixture</b> Uncured material: eg. 080409* Cured material: eg.: 080410</p>						

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13.1.3.2	<b>Packaging</b> 15 01 11* 16 05 04* 15 01 04 17 04 05
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SECTION 14 TRANSPORT INFORMATION		
14.1	<b>UN number</b>	UN 1950
14.2	<b>UN proper shipping name</b>	Aerosols, flammable
14.3	<b>Transport hazard class (es)</b>	2
14.4	<b>Packing group</b>	-
14.5	<b>Environmental hazards</b>	No
14.6	<b>Special precautions for users</b>	NOT APPLICABLE
14.7	<b>Transport in bulk according to Annex II MARPOL and IBC Code</b>	NOT APPLICABLE
14.8	<b>Land transport ADR/RID</b>	
	Class/classification code Packing group: Safety label Description:	2 (5F) Gases - 2.1 UN 1950 Aerosols, flammable
14.9	<b>Maritime transport IMDG:</b>	
	Class/classification code Packing group: Safety Label Description: Ems No.: Marine pollutant	2.1 - 2.1 UN 1950 Aerosols, flammable F-D,S-U No
14.10	<b>Air Transport ICAO/IATA-DGR</b>	
	Class/classification code Packing group: Description:	2.1 - UN 1950 Aerosols, flammable

SECTION 15 REGULATORY INFORMATION	
15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> Regulation (EC) No1907/2006 of the European Parliament and of the Council of 18. December 2006 on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 On classification, labelling and packaging of substances and mixtures The European Agreement Concerning the International carriage of dangerous goods by road (Agreement ADR) NOTE: The stated regulatory information only indicate basic regulations described in this safety data sheet. Please note the possible existence of additional legislation complementing these regulations. Refer to all applicable national, international and local regulations and directives.
15.1.1	<b>Additional mandatory product labelling intended for sale to the public</b> User manual A tactile warning Gloves (in accordance with COMMISSION REGULATION (EC) No 552/2009)
15.1.2	<b>Information according to Commission REGULATION (EC) No 552/2009 of 22 June 2009 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards Annex XVII, that must appear on the label of the product.</b> Persons already sensitized 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.
15.2	<b>Chemical safety assessment</b> Not carried out yet

# POLYURETANE ADHESIVE FOAM IN SPRAYER FASTERFIX B1

Subject to Regulation (EC) No1907/2006 of the European Parliament and of the Council EC 1907/2006 as amended by Council Directive (EU) 2015/830

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SECTION 16		OTHER INFORMATION
16.1		Full text of H phrases used in sections 2, 3 according to Regulation EU 1272/2008
	H351	Suspected of causing cancer
	H332	Harmful if inhaled.
	H373	May cause damage to organs
	H319	Causes serious eye irritation
	H335	May cause respiratory irritation.
	H315	Causes skin irritation
	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	H317	May cause an allergic skin reaction.
	H220	Extremely flammable gas.
	H302	Harmful if swallowed.
16.2		<p><b>Information on sources of data used in the compilation of the Safety Data Sheet</b></p> <p>Data of the manufacturer and vendor as stated in the Safety Data Sheets of the individual components of the mixture</p> <p>This Safety Data Sheet should be used in conjunction with the Material Data Sheet. The SDS does not replace the MDS. Information herein presented is based on our knowledge of the product at the time of issue and are presented in good faith.</p> <p>The user is alerted to the potential danger as resulting from the use of the product for purposes other than for which it is intended. This does not exempt the user from the understanding and implementation of all laws and regulations regulating their business.</p> <p>The implementation of all regulations required for handling the product is the sole responsibility of the user. These regulatory directives are intended to help the user in meeting their duties related to the handling of dangerous products.</p> <p>This information is not exhaustive. This does not exempt the user from their duty to make sure there are no other laws and regulations than those referred to herein, and relating to the use and storage of the product, this remaining solely the user's responsibility.</p>
16.3		<p><b>Changes made to the previous version of the safety data sheet</b></p> <p>It replaces all previous versions</p>