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<p>1. Identification of substance, company:</p> <p>1.1. Identification of substance: TECHNOBOND, transparent - 1 34456</p> <p>1.2. Application of the substance/the preparation: Sealing and bonding putty</p> <p>1.3. Identification of manufacturer/Supplier: RETECH, s.r.o. Vackova 1541/4 150 00 Praha-5 Stodůlky Telephone/Fax: +420 327 596 128, +420 596 428 Information: info@retech.cz</p> <p>1.4. Telephone number for RETECH Suchdol 212, Suchdol u Kutné Hory extraordinary situations: Tel.+420 327 596 128 (7.30-16.00 hour) Toxicology information number, Na bojišti 1, 128 08 PRAHA 2 Tel. +420 224 919 293, +420 224 915 402 (24 hours a day)</p>																									
<p>2. Hazard identification: The product is labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.</p> <p>2.1. Hazard designation: -</p> <p>2.2. Information pertaining to particular danger for man and environment: Product is not dangerous for man and environment.</p> <p>2.3. Additional information: The classification is in line with current EC lists, It is expanded, however, by information from technical literature and by information furnished by supplier companies.</p>																									
<p>3. Composition/information on ingredients:</p> <p>3.1. Description: Mixture of the substances listed below with harmless additions.</p> <p>3.2. Dangerous components:</p> <table border="1"> <thead> <tr> <th>Chemical name</th> <th>Contents(%)</th> <th>Number CAS</th> <th>Number ES</th> <th>Cautionary symbol</th> <th>R sentences</th> </tr> </thead> <tbody> <tr> <td>Trimethoxyvinylsilane</td> <td>1 - <10</td> <td>2768-02-7</td> <td>220-49-8</td> <td>Xn</td> <td>R 10-20</td> </tr> <tr> <td>3-(trimethoxysilyl)propylamine</td> <td>1 - <20</td> <td>13822-56-5</td> <td>237-511-5</td> <td>Xi</td> <td>36/38</td> </tr> <tr> <td>Dibutylbis (pentane-2,4-dionato-0,0') tin</td> <td>0,1 - <1</td> <td>22673-19-4</td> <td>245-152-0</td> <td>Xn,N</td> <td>36/38-48/22-51/53</td> </tr> </tbody> </table> <p>Additional information: For the wording of the listed risk phrases refer to section 16.</p>		Chemical name	Contents(%)	Number CAS	Number ES	Cautionary symbol	R sentences	Trimethoxyvinylsilane	1 - <10	2768-02-7	220-49-8	Xn	R 10-20	3-(trimethoxysilyl)propylamine	1 - <20	13822-56-5	237-511-5	Xi	36/38	Dibutylbis (pentane-2,4-dionato-0,0') tin	0,1 - <1	22673-19-4	245-152-0	Xn,N	36/38-48/22-51/53
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<p>4. First aid measures:</p> <p>4.1. After inhalation: Supply fresh air; consult doctor in case of symptoms.</p> <p>4.2. After skin contact: Instantly rinse with water and soap.</p> <p>4.3. After eye contact: Rinse opened eye for several minutes under running water.</p> <p>4.4. After swallowing: Rinse mouth, do not induce vomiting, seek medical advice.</p> <p>4.5. General information: No special measures required.</p>																									
<p>5. Fire fighting measures:</p> <p>5.1. Suitable extinguishing agents: CO2, extinguishing powder or water jet. Fight larger fires with alcohol-resistant foam.</p> <p>5.2. For safety reasons unsuitable extinguishing agents: None</p> <p>5.3. Protective equipment: Wear self-contained breathing apparatus.</p> <p>5.4. Additional information: On burning: release of carbon monoxide, carbon dioxide and formation of small quantities of nitrous vapours and hydrogen chloride.</p>																									

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<p>6. Accidental release measures:</p> <p>6.1. Person-related safety precautions: Wear protective equipment see item 8.2. Keep unprotected persons away.</p> <p>6.2. Measures for environmental protection: Do not allow to enter drainage system, surface or ground water.</p> <p>6.3. Measures for cleaning/collecting: Let the product harden, collect mechanically and clean according to the item 13.</p> <p>6.4. Additional information: -</p>		
<p>7. Handling and storage:</p> <p>7.1. Handling: Information for safe handling: Wash hand after each work period and before eating.</p> <p>Information about protection against explosions and fires: No special measures required.</p> <p>7.2. Storage: Requirements to be met by storerooms and containers: Store in original container at cool, dry, well-ventilated place out of direct sunlight. Temperature for storage between +5°C and +25°C.</p> <p>Information about storage in one common storage facility: Not required</p> <p>Further information about storage conditions: -</p>		
<p>8. Exposure controls and personal protection:</p> <p>8.1. Validate parameter: Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at workplace.</p> <p>8.2. Personal protective equipment: Eye protection: Safety goggles Breathing equipment: Not necessary if room is well-ventilated. Protection of hands: Protective gloves. Protection of skin: Working suit</p> <p>8.3. General protective and hygienic measures: The usual precautionary measures should be adheres to general rules for handling chemicals.</p>		
<p>9. Physical and chemical properties:</p> <p>Form: Pasty Colour: Transparent Odour: Characteristic</p> <p>9.1. Melting point/Melting range: Not determined Boiling point/Boiling range: Not determined Flash point: >240°C Self-inflammability: Product is not self-igniting. Danger of explosion: Product is not explosive. Density at 20 °C: >1 g/cm³ Solubility in/Miscibility with - water: Not determined</p> <p>9.2. Other information: VOC: 3%</p>		
<p>10. Stability and reactivity:</p> <p>10.1. Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.</p> <p>10.2. Dangerous reactions: Heat source, water/moisture.</p> <p>10.3. Dangerous decomposition products: On burning: release of carbon monoxide, carbon dioxide and formation of small quantities of nitrous vapours and hydrogen chloride.</p>		

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11. Toxicological information:		
11.1. Acute toxicity:	Trimethoxyvinylsilane	Oral LD 7120 mg/kg (rat) Dermal LD 3434 mg/kg (rbt) Inhalative LC50/4h 16 mg/l (rat)
	3-(trimethoxysilyl) propylamine	Dermal LD50 11400 mg/kg (rbt)
11.2. Primary irritant effect:	on the skin: Prolonged or repeated contact may cause irritation and/or dermatitis. on the eye: May cause mild irritation or discomfort.	
	Sensitization:	No sensitizing effect known.
	Additional toxicological information:	When used and handled according to specifications, the product does not have any harmful affects according to our experience and the information provided to us.
12. Ecological information:		
	Trimethoxyvinylsilane	LC50 (96h): >=100mg/l (Brachydanio Rerio) EC50 (48h): 168,7 mg/l (Daphnia Magna)
	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow the product or large quantities of it to reach ground water, water bodies or sewage system.	
13. Disposal considerations:		
13.1. Product:	Dispose in safe manner in accordance with local/national regulation.	
13.2. Uncleaned packagings:	Disposal must be made according to official regulation.	
14. Transport information:		
14.1. Land transport:	ADR/RID-GGVS:	Not classified
14.2. Maritime transport:	IMDG-class:	Not classified
14.3. Air transport:	ICAO / IATA -class:	Not classified
15. Regulatory information:		
15.1. Labelling according to law line:	The product has been labeled in accordance with EC Directives / relevant national laws. Danger of determining components and mark to labelling: Safety data sheet available for professional user on request.	
	Labelling hazardousness: Product is not classified as a hazardous.	
	Numbers and word reading associated hazard R-sentences : void	
	Numbers and word reading associated security S-sentences: S 24/25 Avoid contact with skin and eyes.	
15.2. Used legislation:	European Regulation (EC) No 1907/2006 – REACH European Regulation No 67/548EEC and 1999/45/EC	
16. Other information:		
These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.		

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Relative R-phrases:

- R 10 Flammable.
R 20 Harmful by inhalation.
R 41 Risk of serious damage to eyes.
R 36/38 Irritating to eyes and skin.
R 48/22 Harmful: danger of very serious damage to health by prolonged exposure if swallowed.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.