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## Safety Data Sheet ULTRABOND S 997 1K

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ifety Da	ata Sheet dated 23/5/2014, version 2
ECTION	11: Identification of the substance/mixture and of the company/undertaking
1.1.	Product identifier
1 0	Trade name: ULTRABOND S 997 1K Relevant identified uses of the substance or mixture and uses advised against
1.2.	Recommended use:
	Sililated based polyether adhesive
	Uses advised against: ==
1.3.	Details of the supplier of the safety data sheet Supplier:
	MAPEI S.p.AVia Cafiero 22 - Milan -ITALY
Con	petent person responsible for the safety data sheet:
	sicurezza@mapei.it
1.4.	Emergency telephone number MAPEI S.p.A Tel. +(39)02376731 - (office hours)
	Poison Centre - Ospedale di Niguarda - Milan - Tel. +39/02/66101029
	2: Hazards identification
	Classification of the substance or mixture
	ctive criteria, 67/548/CE, 99/45/EC and following amendments thereof: perties / Symbols:
TIO	None.
Adv	erse physicochemical, human health and environmental effects: No other hazards
	Label elements
Con	tents: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate: May produce an allergic reaction.
Spe	cial Provisions:
	Safety data sheet available for professional user on request.
See	aid provisions assorting to Appay XV/II of DEACH and subsequent amondmentar
Spe	cial provisions according to Annex XVII of REACH and subsequent amendments: None
2.3.	Other hazards
	vPvB Substances: None - PBT Substances: None
Othe	er Hazards:
	No other hazards Further hazards:
	Methanol is released by hydrolysis during application.
	1.2. Composition Information on inspections
	I 3: Composition/information on ingredients Substances
0.1.	N.A.
3.2.	Mixtures
	Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and
	corresponding classification:

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>= 2.5% - < 4.99% Trimethoxyvin	ylsilane
REACH No.: 01-21195132	15-52-0003, CAS: 2768-02-7, EC: 220-449-8
Xn; R10-20	
🔶 2.6/3 Flam. Liq. 3 H226	
	H332
SECTION 4: First aid measures	
4.1. Description of first aid measu	res
In case of skin contact:	
Wash with plenty of water a In case of eyes contact:	and soap.
	s, rinse immediately with plenty of water and seek medical advice.
Wash immediately with wat	
In case of Ingestion:	
Do not under any circumsta	ances induce vomiting. OBTAIN A MEDICAL EXAMINATION
IMMEDIATELY.	
	charcoal in water, or petrolium jelly may be administered.
In case of Inhalation:	ir and keep warm and at rest.
4.2. Most important symptoms an	
	countered under normal product use.
	nedical attention and special treatment needed
Treatment:	
(see paragraph 4.1)	
SECTION 5: Firefighting measures	S
5.1. Extinguishing media	
Suitable extinguishing med	ia:
None in particular.	
Water.	
None in particular.	must not be used for safety reasons:
5.2. Special hazards arising from	the substance or mixture
Do not inhale explosion and	
Burning produces heavy sn	
	unidentified toxic and/or irritant compounds may be present in the
combustion fumes.	
5.3. Advice for firefighters	orotuo
Use suitable breathing appa Collect contaminated fire ex	xtinguishing water separately. This must not be discharged into
drains.	anguishing water separately. This must not be alsonaliged into
	rs from immediate hazard area if it can be done safely.
SECTION 6: Accidental release mo	easures
	tive equipment and emergency procedures
Wear personal protection e	
Remove persons to safety.	
See protective measures u	nder point 7 and 8.
6.2. Environmental precautions	roand
Limit leakages with earth or Do not allow to enter into so	r sand. pil/subsoil. Do not allow to enter into surface water or drains.
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Respiratory protection: Not needed for normal use. Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.				
Thermal Hazards:				
None				
Environmental exposure controls:				
None				
<b>SECTION 9: Physical and chemical p</b>	roperties			
9.1. Information on basic physical and	chemical properties			
Appearance:	paste			
Colour:	various			
Odour:	typical			
Odour threshold:	N.A.			
pH:	==			
Melting point / freezing point:	S == ℃			
Initial boiling point and boiling r				
Solid/gas flammability:	N.A.			
Upper/lower flammability or exp				
Vapour density:	N.A.			
Flash point:	> 100 °C			
Evaporation rate:	N.A. N.A.			
Vapour pressure:				
Relative density: Vapour density (air=1):	1,40-1,50 g/cm³ (23℃) N.A.			
Solubility in water:	insoluble			
Solubility in oil:	partly soluble			
Viscosity:	950000-1250000 mPa.s (23℃)			
Auto-ignition temperature:	N.A.			
Explosion limits(by volume):	N.A.			
Decomposition temperature:	N.A.			
Partition coefficient (n-octanol/				
Explosive properties:	N.A.			
Oxidizing properties:	N.A.			
9.2. Other information				
Miscibility:	N.A.			
Fat Solubility:	N.A.			
Conductivity:	N.A.			
Substance Groups relevant pro	perties N.A.			
SECTION 10: Stability and reactivity				
10.1. Reactivity				
Stable under normal conditions				
10.2. Chemical stability				
Stable under normal conditions				
10.3. Possibility of hazardous reaction				
None				
10.4. Conditions to avoid				
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	and the PC and
	ormal conditions.
10.5. Incompatible m	
None in particu	ılar.
10.6. Hazardous dec	omposition products
None.	
<b>SECTION 11: Toxicolog</b>	jical information
11.1. Information on	toxicological effects
Route(s) of entry:	-
Ingestion:	Yes
Inhalation:	Yes
Contact:	No
	ition related to the product:
	ical data available on the mixture. Consider the individual concentration of each
	s toxicological effects resulting from exposure to the mixture.
	ation on main components of the mixture:
	nformation of the mixture:
N.A.	
	tion of the main substances found in the mixture:
Trimethoxyving	
- CAS: 2768-0	)2-7
a) acute toxicit	y:
Test: LD	550 - Route: Oral - Species: Rat = 7100 mg/kg - Source: OECD 401
	050 - Route: Skin - Species: Rabbit = 3200 mg/kg - Source: OECD 402
	C50 - Route: Inhalation - Species: Rat = 16.8 mg/kg - Duration: 4h - Source:
OECD 4	
bis(2-propylhe	
- CAS: 53306	
	t (oral): > 5000 mg/kg
	t (inhalation): $> 20,5 \text{ mg/kg}$
LDSUTA	bbit (dermal): > 2000 mg/kg
Nevertheless r	nethanol released during the use of the product can cause irritation of the mucous
	adache and serious effetcts on the central nervous system.
	ecessary to limit the exposure to methanol at high concentrations in the job site,
	sing it only in well-ventilated areas.
tor example us	sing it only in weil-ventilated aleas.
Corrosive/Irrita	ting Properties:
Eye:	
	duct can cause a temporary irritation by contact.
Sensitizing Properties	
No effects are	
Cancerogenic Effects	
No effects are	
Mutagenic Effects:	
No effects are	known
Teratogenic Effects:	
	known
No effects are	
	ified, the information required in Regulation 453/2010/EC listed below must be
considered as N.A.:	
a) acute toxicit	
b) skin corrosi	
	damage/irritation
	or skin sensitisation
e) germ cell m	utagenicity
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f) carcinogenicity				
g) reproductive toxicity				
h) STOT-single exposure				
i) STOT-repeated exposure				
j) aspiration hazard				
j) depiration nazara				
SECTION 42: Eaclagical information				
SECTION 12: Ecological information	1			
12.1. Toxicity				
Not available data on the mixt				
Aquatic toxicity: the preparation	on is not to be considered toxic to the aquatic environment based			
on components.				
LC50>100mg/l - aquatic spec	ies (calculated data following 1999/45/EC Directive).			
	es, so that the product is not released into the environment.			
Trimethoxyvinylsilane				
- CAS: 2768-02-7				
a) Aquatic acute toxicity:				
	ion: Fich - 101 mg/L. Duration h: 06			
	ies: Fish = $191 \text{ mg/l} - \text{Duration h: } 96$			
	ies: Daphnia = 169 mg/l - Duration h: 48			
	ies: Algae = 210 mg/l - Duration h: 72			
12.2. Persistence and degradability				
N.A.				
12.3. Bioaccumulative potential				
N.A.				
12.4. Mobility in soil				
N.A.				
12.5. Results of PBT and vPvB asse	essment			
vPvB Substances: None - PB	T Substances: None			
12.6. Other adverse effects				
None				
Not available data on the mixt				
SECTION 12: Dispessel consideration				
SECTION 13: Disposal consideratio	ns			
13.1. Waste treatment methods				
	ng, comply with the local and national regulations currently in force.			
	I/62/EC and subsequent amendments.			
Disposal of hardened product				
Disposal of not hardened proc				
	ste code is just based on the composition of the product.			
According to the specific proc	ess or application field a different waste code may be necessary.			
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<b>SECTION 14: Transport information</b>				
14.1. UN number				
UN Number:	=			
14.2. UN proper shipping name	-			
N.A.				
14.3. Transport hazard class(es)	no dengarava good			
Rail/Road(RID/ADR):	no dangerous good			
ADR-Upper number:	NA			
Air (ICAO/IATA):	no dangerous good			
Sea (IMO/IMDG):	no dangerous good			
N.A.				
14.4. Packing group				
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N.A. 14.5. Environmental hazards ADR Enverinmental Pollutant: Marine pollutant: No N.A. 14.6. Special precautions for user N.A. 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code No **SECTION 15: Regulatory information** 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances) Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations) Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Dir. 2006/8/EC Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) n. 453/2010 (Annex I) Regulation (EU) n. 286/2011 (ATP 2 CLP) Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: None REACH Regulation (1907/2006) REACH Regulation (1907/2006) - All. XVII: N.A. REACH Regulatio n°1907/2006 (REACH) - Art. 59 (Substances in "Candidate List"): N.A. CLP Regulation n°1272/2008 (CLP) and s.m.i. Directive n°1999/45/CE (Dangerous Preparation) and s.m.i. Directive n°67/548/CEE (Substances) and s.m.i. Legislative Decree no. 81 of the 9th of April 2008 Title XI "Dangerous substances - Chapter I -Protection against chemical agents" Directive 2000/39/CE and s.m.i. (Professional threshold limit) Legislative Decree no. 152 of the 3rd of April 2006 and subsequent modifications and additions. (Environmental regulations) Directive 105/2003/CE (Seveso III): N.A. ADR Agreement – IMDG Code – IATA Regulation VOC (2004/42/EC) : N.A. g/l 15.2. Chemical safety assessment 0744140/2



No					
SECTION 16: Oth	er information				
Text of phrases referred to under heading 3: R10 Flammable.					
R20 Harmful by inhalation.					
1120118					
H226 FI	ammable liquid and vapour.				
	armful if inhaled.				
	odified from the previous revision:				
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SECTIO	N 1: Identification of the substance/mixture and of the company/undertaking				
SECTION 2: Hazards identification					
	DN 3: Composition/information on ingredients				
	NN 8: Exposure controls/personal protection				
	DN 11: Toxicological information				
	N 15: Regulatory information				
This documen	t was prepared by a competent person who has received appropriate training.				
Main bibliogra					
	- Registry of toxic effects of chemical substances				
	- Environmental Chemicals Data and Information Network - Joint Research Centre,				
Commis	ssion of the European Communities				
SAX'S -	Dangerous properties of industrial materials				
Istituto S	Superiore di Sanità - Inventario Nazionale Sostanze Chimiche				
The information	n contained herein is based on our state of knowledge at the above-specified date. It				
refers solely to	the product indicated and constitutes no guarantee of particular quality.				
This MSDS ca	ncels and replaces any preceding release.				
ADR:	European Agreement economing the International Carriage of				
ADR.	European Agreement concerning the International Carriage of Dangerous Goods by Road.				
CAS:	Chemical Abstracts Service (division of the American Chemical				
CAS.	Society).				
CLP:	Classification, Labeling, Packaging.				
DNEL:	Derived No Effect Level.				
EINECS:	European Inventory of Existing Commercial Chemical Substances.				
GefStoffVO:	Ordinance on Hazardous Substances, Germany.				
GHS:	Globally Harmonized System of Classification and Labeling of				
	Chemicals.				
IATA:	International Air Transport Association.				
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport				
	Association" (IATA).				
ICAO:	International Civil Aviation Organization.				
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization"				
	(ICAO).				
IMDG:	International Maritime Code for Dangerous Goods.				
INCI:	International Nomenclature of Cosmetic Ingredients.				
KSt:	Explosion coefficient.				
LC50:	Lethal concentration, for 50 percent of test population.				
LD50:	Lethal dose, for 50 percent of test population.				
LTE:	Long-term exposure.				
PNEC:	Predicted No Effect Concentration.				
RID:	Regulation Concerning the International Transport of Dangerous Goods				
	by Řail.				
STE:	Short-term exposure.				
STEL:	Short Term Exposure limit.				
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0707	Creatin Target Organ Taviait
STOT: TLV:	Specific Target Organ Toxicity.
TUV. TWA	Threshold Limiting Value. Threshold Limit Value for the Time Weighted Average 8 hour day.
	(ACGIH Standard).
OEL:	European threshold limit value
VLE:	Threshold Limiting Value.
WGK:	German Water Hazard Class.
TSCA:	United States Toxic Substances Control Act Inventory
DSL:	DSL - Canadian Domestic Substances List
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