

Safety Data Sheet dated 26/5/2017, version 2 SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier Trade name: ULTRABOND ECO 380
1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended use: Water-borne synthetic polymer based adhesive
Uses advised against: ==
1.3. Details of the supplier of the safety data sheet Supplier:
MAPEI U.K. Ltd - Mapei House Steel Park Road Halesowen - West Midlands B62 8HD
Competent person responsible for the safety data sheet: sicurezza@mapei.it
1.4. Emergency telephone number MAPEI U.K. Ltd - phone: +44(0)121 508 6970 fax: +44(0)121 5086 960
www.mapei.co.uk (office hours)
SECTION 2: Hazards identification
2.1. Classification of the substance or mixture EC regulation criteria 1272/2008 (CLP)
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Adverse physicochemical, human health and environmental effects: No other hazards
2.2. Label elements
Hazard pictograms: None
Hazard Statements: None
Precautionary Statements: None
Special Provisions: EUH210 Safety data sheet available on request. Contains
1,2-benzisothiazol-3(2H)-one: May produce an allergic reaction.

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The product is not classified as dangerous according to Regular Special provisions according to Annex XVII of REACH and surface Restricted to professional users.	
2.3. Other hazards vPvB Substances: None - PBT Substances: None	
Other Hazards: No other hazards	
See at paragraph 11 the additional information concern The product is not classified dangerous according to C based preparation in which there are no dangerous co The below mentioned crystalline silica, that originally is	CLP (EC 1272/2008); in fact it is a water omponents .
specific exposure limits, after its mixture into the prepa	
SECTION 3: Composition/information on ingredients 3.1. Substances	
N.A.	
3.2. Mixtures	
Hazardous components within the meaning of the CLF >= 5% - < 10% free crystalline silica (\emptyset >10 μ) CAS: 14808-60-7, EC: 238-878-4	P regulation and related classification:
The product is not classified as dangerous according t	o Regulation EC 1272/2008 (CLP).
>= 1% - < 2.5% 1-Phenoxypropan-2-ol REACH No.: 01-2119486566-23-XXXX, CAS: 770-35-	4, EC: 212-222-7
>= 1% - < 2.5% free crystalline silica (∅ <10 μ)(*) CAS: 14808-60-7, EC: 238-878-4 � 3.9/1 STOT RE 1 H372	
>= 0.25% - < 0.49% Ethoxysulphate nonylphenol, ammonium CAS: 68649-55-8	n salt
4.1/C4 Aquatic Chronic 4 H413	
>= 0.1% - < 0.25% Alkylphenol polyethyleneglycolether CAS: 9016-45-9	
4.1/C3 Aquatic Chronic 3 H412	
>= 0.1% - < 0.25% 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxy CAS: 9002-93-1 4.1/C3 Aquatic Chronic 3 H412	rlated
>= 0.005% - < 0.01% 1,2-benzisothiazol-3(2H)-one Index number: 613-088-00-6, CAS: 2634-33-5, EC: 22	0-120-9
 	
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SVHC Substances: 0.135 % 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated CAS: 9002-93-1 Substance SVHC **SECTION 4: First aid measures** 4.1. Description of first aid measures In case of skin contact: Wash with plenty of water and soap. In case of eyes contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wash immediately with water for at least 10 minutes. In case of Ingestion: Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY. A suspension of activated charcoal in water, or petrolium jelly may be administered. Wash the mouth thoroughly and drink plenty of water. In case of disease consult a physician immediately and present this safety-data sheet. In case of Inhalation: Remove casualty to fresh air and keep warm and at rest. 4.2. Most important symptoms and effects, both acute and delayed No specific hazards are encountered under normal product use. 4.3. Indication of any immediate medical attention and special treatment needed Treatment: (see paragraph 4.1) **SECTION 5: Firefighting measures** 5.1. Extinguishing media Suitable extinguishing media: Water. CO2 or Dry chemical fire extinguisher. Extinguishing media which must not be used for safety reasons: None in particular. 5.2. Special hazards arising from the substance or mixture The product does not present a fire hazard Do not inhale explosion and combustion gases. The original ingredients or unidentified toxic and/or irritant compounds may be present in the combustion fumes. 5.3. Advice for firefighters Use suitable breathing apparatus . Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. **SECTION 6: Accidental release measures** 6.1. Personal precautions, protective equipment and emergency procedures Wear personal protection equipment. Remove persons to safety. See protective measures under point 7 and 8. 6.2. Environmental precautions Limit leakages with earth or sand. 9019434/2

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	Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
	Retain contaminated washing water and dispose it.
	In case of gas escape or of entry into waterways, soil or drains, inform the responsible
	authorities.
	Suitable material for taking up: absorbing material, organic, sand
	6.3. Methods and material for containment and cleaning up
	After the product has been recovered, rinse the area and materials involved with water.
	Suitable material for taking up: absorbing material, organic, sand
	Wash with plenty of water.
	Retain contaminated washing water and dispose it. 6.4. Reference to other sections
	See also section 8 and 13
	See also section o and 15
SECT	ION 7: Handling and storage
	7.1. Precautions for safe handling
	Avoid contact with skin and eyes, inhalation of vapours and mists.
	Do not eat or drink while working.
	See also section 8 for recommended protective equipment.
	7.2. Conditions for safe storage, including any incompatibilities
	Keep away from food, drink and feed.
	Incompatible materials:
	None in particular.
	Instructions as regards storage premises:
	Adequately ventilated premises.
	Store above 5°C.
	7.3. Specific end use(s)
	None in particular
	ION 8: Exposure controls/personal protection
	8.1. Control parameters
	free crystalline silica ($\emptyset > 10 \mu$) - CAS: 14808-60-7
	ACGIH - TWA(8h): 0.025 mg/m3 - Notes: (R), A2 - Pulm fibrosis, lung cancer
	free crystalline silica ($\emptyset < 10 \mu$)(*) - CAS: 14808-60-7
	EU - TWA(8h): 0.025 mg/m3 - Notes: A2 (R) - Pulm fibrosis, lung cancer
	ACGIH - TWA(8h): 0.025 mg/m3 - Notes: (R), A2 - Pulm fibrosis, lung cancer
	DNEL Exposure Limit Values
	N.A.
	PNEC Exposure Limit Values
	N.A.
	8.2. Exposure controls
	Eye protection:
	Not needed for normal use. Anyway, operate according good working practices.
	Protection for skin:
	No special precaution must be adopted for normal use.
	Not needed for normal use.
	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.
	equipment against opeonie enerneale and for ader information.
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Thermal Hazards:	
None	
Environmental exposure controls:	
None	
Appropriate engineering controls:	
None	
SECTION 9: Physical and chemical p	roperties
9.1. Information on basic physical and	
Appearance:	paste
Colour:	beige
Odour:	
Odour threshold:	typical N.A.
	9.
pH: Malting point (freezing point)	9 N.A.
Melting point / freezing point:	
Initial boiling point and boiling r	
Solid/gas flammability:	N.A.
Upper/lower flammability or exp	
Vapour density:	N.A.
Flash point:	== °C
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	1.20-1,25 g/cm ³ (23°C)
Vapour density (air=1):	N.A.
Solubility in water:	dispersible
Solubility in oil:	insoluble
Viscosity:	70000-100000 mPa.s (23°C)
Auto-ignition temperature:	== ℃
Explosion limits(by volume):	==
Decomposition temperature:	N.A.
Partition coefficient (n-octanol/	water): N.A.
Explosive properties:	==
Oxidizing properties:	N.A.
9.2. Other information	
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant pro	operties 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	IS
None	
10.4. Conditions to avoid	
Stable under normal conditions	S
10.5. Incompatible materials	
None in particular.	
10.6. Hazardous decomposition prod	ucts
None.	
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SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Route(s) of entry:	
Ingestion: Yes	
Inhalation: No	
Contact: No	
There is no toxicological data available on the mixture. Consider the individual concentration of eac	ch
component to assess toxicological effects resulting from exposure to the mixture.	
Toxicological information on main components of the mixture:	
Toxicological information of the product:	
N.A.	
Toxicological information of the main substances found in the product:	
free crystalline silica ($\emptyset > 10 \mu$) - CAS: 14808-60-7	
a) acute toxicity:	
Test: LD50 - Route: Oral > 2000 mg/kg	
Test: LD50 - Route: Skin > 2000 mg/kg	
1-Phenoxypropan-2-ol - CAS: 770-35-4	
LD50 (oral rat) > 2000 mg/kg	
LC50 (inhalation rat) > 5,4 mg/l/4h	
2050 (iiiiaiaii0ii 1ai) > 5,4 iiig/i/411	
Corrosive/Irritating Properties:	
Eye:	
The product can cause a temporary irritation by contact.	
Cancerogenic Effects:	
The IARC (International Agency for Research on Cancer) believes that the crystalline silica	
inhaled at the workplace can cause lung cancer in man.	
However, it also points out that the cancer effect depends on the silica characteristics and or	n tha
biological-physical condition of the environment.	i uie
There is a large amount of information in support of the fact that increased risk of cancer is	
limited to persons suffering from silicosis.	
limited to persons suffering norm sincosis.	
In the current situation of studies, protection of workers from silicosis can be ensured by	
respecting the exposure limit values.	
Mutagonia Effecto:	
Mutagenic Effects:	
No effects are known.	
Teratogenic Effects:	
No effects are known.	
If not differently specified, the information required in Regulation (EU)2015/830 listed below must b	e
considered as N.A.:	
a) acute toxicity	
b) skin corrosion/irritation	
c) serious eye damage/irritation	
d) respiratory or skin sensitisation	
e) germ cell mutagenicity	
f) carcinogenicity	
g) reproductive toxicity	
h) STOT-single exposure	
i) STOT-repeated exposure	
j) aspiration hazard	
SECTION 12: Ecological information	
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 14.1. UN number Not classified as dangerous in the meaning of transport regulations. 14.2. UN proper shipping name N.A. 14.3. Transport hazard class(es) ADR-Upper number: NA N.A. 14.4. Packing group N.A. 14.5. Environmental hazards Marine pollutant: No N.A. 14.6. Special precautions for user N.A. 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code No SECTION 15: Regulatory information 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture 		
 12.6. Other adverse effects None Not available data on the mixture SECTION 13: Disposal considerations 13.1. Waste treatment methods Recover if possible. In so doing, comply with the local and national regulations currently in force. 91/156/EC, 91/689/EC, 94/62/EC and subsequent amendments. Disposal of hardened product (EC waste code): 08 04 10 Disposal of not hardened product (EC waste code): 08 04 16 The suggested European waste code is just based on the composition of the product. According to the specific process or application field a different waste code may be necessary. SECTION 14: Transport information 14.1. UN number Not classified as dangerous in the meaning of transport regulations. 14.2. UN proper shipping name N.A. 14.3. Transport hazard class(es) ADR-Upper number: NA N.A. 14.4. Packing group N.A. 14.5. Environmental hazards Marine pollutant: No N.A. 14.6. Special precautions for user N.A. 14.6. Special precautions for user N.A. 14.7. transport in bulk according to Annex II of Marpol and the IBC Code No SECTION 15: Regulatory information 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture 9019434/2 	Adopt good industrial practices. Not available data on the mixtu Biodegradability: no data availa 1,2-benzisothiazol-3(2H)-one - a) Aquatic acute toxicity: Endpoint: EC50 - Specie Endpoint: EC50 - Specie Endpoint: LC50 - Specie Endpoint: NOEC - Specie	re ble on the preparation. CAS: 2634-33-5 s: Daphnia = 3.27 mg/l - Duration h: 48 s: Algae = 0.11 mg/l - Duration h: 72 s: Fish = 1.6 mg/l - Duration h: 96 es: Fish = 0.21 mg/l es: Daphnia = 1.2 mg/l - Notes: 21 g
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9019434/2	SECTION 15: Regulatory information	
	-	al regulations/legislation specific for the substance or mixture
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Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) 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) 2015/830 Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4 CLP) Regulation (EU) n. 944/2013 (ATP 5 CLP) Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: Restrictions related to the product: No restriction. Restrictions related to the substances contained: **Restriction 28 Restriction 46** REACH Regulation (1907/2006) - All. XVII: N.A. 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 N.A. g/l VOC (2004/42/EC) : Social Dialogue on Respirable Crystalline Silica On April 26, 2006 was signed a multi-sector social dialogue, based on a "Guide to Good Practices", on workers health protection who are in contact with products containing crystalline silica. The text of the agreement published in G.U. European Union (2006 / C 279/02) and the "Guide to Good Practices", with attachments, are available on www.nepsi.eu website, they offer guidelines and useful information for handling products containing respirable crystalline silica. SVHC Substances: Substances in candidate list (Art. 59 Reg. 1907/2006, REACH): Ethoxysulphate nonylphenol, ammonium salt SVHC Alkylphenol polyethyleneglycolether SVHC 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated Equivalent level of concern having probable serious effects to environment, Endocrine disruptor Provisions related to directive EU 2012/18 (Seveso III): N.A. 15.2. Chemical safety assessment No **SECTION 16: Other information** Text of phrases referred to under heading 3: H319 Causes serious eye irritation. H372 Causes damage to organs through prolonged or repeated exposure. H413 May cause long lasting harmful effects to aquatic life. 9019434/2 Page n. 8 of 10



H412 H	armful to aquatic life with long lasting effects.
	atal if inhaled.
	auses skin irritation.
	auses serious eye damage.
	oxic to aquatic life with long lasting effects.
	lay cause an allergic skin reaction.
	ery toxic to aquatic life.
	armful if swallowed.
Paragraphs m	odified from the previous revision:
	DN 2: Hazards identification
	DN 3: Composition/information on ingredients
	DN 4: First aid measures
	DN 5: Firefighting measures
	DN 6: Accidental release measures
	DN 7: Handling and storage
	DN 8: Exposure controls/personal protection
	DN 11: Toxicological information
	DN 12: Ecological information
	DN 14: Transport information
	DN 15: Regulatory information
SECTION	DN 16: Other information
This documer	t was prepared by a competent person who has received appropriate training.
Main bibliogra	
NIOŠH	- Registry of toxic effects of chemical substances
ECDIN	- Environmental Chemicals Data and Information Network - Joint Research Centre,
	- Environmental Chemicals Data and Information Network - Joint Research Centre, ssion of the European Communities
Commi	- Environmental Chemicals Data and Information Network - Joint Research Centre,
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Commi The information refers solely to	- Environmental Chemicals Data and Information Network - Joint Research Centre, ssion of the European Communities on contained herein is based on our state of knowledge at the above-specified date. It to the product indicated and constitutes no guarantee of particular quality.
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LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods
	by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day.
	(ACGIH Standard).
OEL:	Substance with a Union workplace exposure limit.
VLE:	Threshold Limiting Value.
WGK:	German Water Hazard Class.
TSCA:	United States Toxic Substances Control Act Inventory
DSL:	DSL - Canadian Domestic Substances List
N.A.:	Not available
N.A	Not available
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