

# SAFETY DATA SHEET

STONEBOND® HARD SURFACES ACRYLIC SEAMING ADHESIVE

Page: 1

Compilation date: 11/09/2017

Revision No: 1

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** Tenax Multibond HARD SURFACES ACRYLIC SEAMING ADHESIVE

**Product code:** Tenax Multibond

**Synonyms:** MULTIBOND ACRYLIC SEAMING ADHESIVE FOR HARD SURFACES MATERIALS

USES: ACRYLIC

SEAMING ADHESIVE FOR PORCELAIN, ENGINEERED STONE, QUARTZ AND NATURAL STONE

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

**Use of substance / mixture:** PC1: Adhesives, sealants. Adhesive : Component Part A Activator: Component Part B  
10:1 component mix

### 1.3. Details of the supplier of the safety data sheet

**Company name:** TENAX USA

7606 WHITEHALL EXECUTIVE CENTER DR

SUITE 400

CHARLOTTE, NC 28273

**Tel:** 1-800-341-0432

**Fax:** 704-583-3166

**Email:** [info@tenaxusa.com](mailto:info@tenaxusa.com)

### 1.4. Emergency telephone number

**Emergency tel:** CHEMTREC: 800-424-9300 (USA)

703-527-3887 (INTERNATIONAL)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Flam. Liq. 2: H225; STOT SE 3: H335; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; -: EUH208

**Most important adverse effects:** Highly flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. Harmful to aquatic life with long lasting effects. Contains dibenzoyl peroxide. May produce an allergic reaction.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** H225: Highly flammable liquid and vapour.

[cont...]

# SAFETY DATA SHEET

MULTIBOND HARD SURFACES ACRYLIC SEAMING ADHESIVE

Page: 2

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

EUH208: Contains dibenzoyl peroxide. May produce an allergic reaction.

**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark



**Signal words:** Danger

**Precautionary statements:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P333+313: If skin irritation or rash occurs: Get medical advice/attention.

P273: Avoid release to the environment.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

METHYL METHACRYLATE - REACH registered number(s): 01-2119452498-28-000, 01-2119452498-28-0025, 01-2119452498-28-0028

EINECS	CAS	PBT / WEL	CLP Classification	Percent
201-297-1	80-62-6	-	Flam. Liq. 2: H225; STOT SE 3: H335; Skin Irrit. 2: H315; Skin Sens. 1: H317	50-75%

[cont...]

# SAFETY DATA SHEET

MULTIBOND HARD SURFACES ACRYLIC SEAMING ADHESIVE

Page: 3

EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <700)

500-033-5	25068-38-6	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317	1-5%
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2-METHYLPROPENOIC ACID - REACH registered number(s): 01-2119463884-26-0000

201-204-4	79-41-4	-	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314	1-5%
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DIBENZOYL PEROXIDE

202-327-6	94-36-0	-	Skin Sens. 1: H317; Org. Perox. B: H241; Eye Irrit. 2: H319	<1%
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TRIS(METHYLPHENYL)PHOSPHATE

215-548-8	1330-78-5	-	Repr. 2: H361; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<1%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

[cont...]

# SAFETY DATA SHEET

MULTIBOND HARD SURFACES ACRYLIC SEAMING ADHESIVE

Page: 4

## 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** PC1: Adhesives, sealants.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**METHYL METHACRYLATE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL

[cont...]

# SAFETY DATA SHEET

MULTIBOND HARD SURFACES ACRYLIC SEAMING ADHESIVE

Page: 5

UK	203mg/m3	416mg/m3	-	-
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## 2-METHYLPROPENOIC ACID

UK	72 mg/m3	143 mg/m3	-	-
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## DIBENZOYL PEROXIDE

UK	5 mg/m3	-	-	-
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## DNEL/PNEC Values

DNEL / PNEC No data available.

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** ENSURE GOOD HYGENE PRACTICE Avoid breathing the vapour. Maintain good ventilation. High standards of industrial hygiene are required for safe handling of large volumes. It is not necessary to wear special breathing apparatus in well ventilated areas however it is good practice to maintain relative humidity between 50-60%

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing. Avoid skin contact.

**Environmental:** Avoid release to the environment. Prevent from entering in public sewers or the immediate environment.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Various

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** No data available.

**Viscosity:** Highly viscous

**Boiling point/range°C:** 100

**Melting point/range°C:** Not applicable.

**Flammability limits %: lower:** 1.7

**upper:** 12.5

**Flash point°C:** <23

**Part.coeff. n-octanol/water:** Not applicable.

**Autoflammability°C:** 412

**Vapour pressure:** 28mmHg @ 20°C

**Relative density:** 0.93-1.05

**pH:** 4-6

**VOC g/l:** <50 g/l mixed

### 9.2. Other information

**Other information:** Flammability based on data for methyl methacrylate

[cont...]

# SAFETY DATA SHEET

MULTIBOND HARD SURFACES ACRYLIC SEAMING ADHESIVE

Page: 6

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### METHYL METHACRYLATE

DERMAL	RBT	LD50	>5000	mg/kg
INHALATION	RAT	4H LC50	29.8	mg/l
ORAL	RAT	LD50	>5000	mg/kg

#### 2-METHYLPROPENOIC ACID

DERMAL	RBT	LD50	500-1000	mg/kg
ORAL	RAT	LD50	1320	mg/kg
VAPOURS	RAT	1H LC50	7.1	mg/l

#### DIBENZOYL PEROXIDE

ORAL	RAT	LD50	>5000	mg/kg
VAPOURS	RAT	LC0	>24.3	mg/kg

**Relevant hazards for product:**

Hazard	Route	Basis
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[cont...]

# SAFETY DATA SHEET

STONEBOND® HARD SURFACES ACRYLIC SEAMING ADHESIVE

Page: 7

Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

## Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

#### METHYL METHACRYLATE

DAPHNIA MAGNA	48H EC50	69	mg/l
GREEN ALGA ( <i>Selenastrum capricornutum</i> )	72H EC50	>110	mg/l
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	>79	mg/l

#### 2-METHYLPROPENOIC ACID

Daphnia magna	48H EC50	>130	mg/l
GREEN ALGA ( <i>Selenastrum capricornutum</i> )	96H ErC50	45	mg/l
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	85	mg/l

#### DIBENZOYL PEROXIDE

BACTERIA	EC50	35	mg/l
DAPHNIA MAGNA	48H EC50	0.11	mg/l
POCHILIA RETICULATA	96H LC50	0.06	mg/l
PSEUDOKIRCHNERIELLA SUBCAPITATA	72H EC50	0.06	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

[cont...]

# SAFETY DATA SHEET

MULTIBOND HARD SURFACES ACRYLIC SEAMING ADHESIVE

Page: 8

## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1133

### 14.2. UN proper shipping name

**Shipping name:** ADHESIVES

### 14.3. Transport hazard class(es)

**Transport class:** 3

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** D/E

**Transport category:** 2

## Section 15: Regulatory information

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

**Specific regulations:** Europe EINECS

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

[cont...]



## SAFETY DATA SHEET

MULTIBOND HARD SURFACES ACRYLIC SEAMING ADHESIVE

Page: 9

### Section 16: Other information

#### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H225: Highly flammable liquid and vapour.

H241: Heating may cause a fire or explosion.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H361: Suspected of damaging fertility or the unborn child <state specific effect if known>  
<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** This company shall not be held liable for any damage resulting from handling or from contact with the above product.