

**SAFETY DATA SHEET**  
**STA Bond - Black****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Product name STA Bond - Black

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

Identified uses Adhesive.

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

Supplier Aztec Chemicals  
Unit 16, University Way  
Orion Park  
Crewe  
Cheshire  
CW1 6NG  
+ 44 (0) 1270 655500 (T)  
+ 44 (0) 1270 655501 (F)  
info@aztecchemicals.com

**1.4. Emergency telephone number**

+44 (0)7831 300868

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

Classification (1999/45/EEC) Xi;R37/38, R41. R43. F;R11.

**Physical and Chemical Hazards**

Considering the limited amount applied during use and the size of the container, the risk of adverse effects is considered small.

**2.2. Label elements**

Contains METHYL METHACRYLATE

**Labelling**

Irritant



Highly flammable

**Risk Phrases**

R11	Highly flammable
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.

**Safety Phrases**

S2	Keep out of the reach of children.
S16	Keep away from sources of ignition - No smoking.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39	Wear suitable gloves and eye/face protection.
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S64	If swallowed, rinse mouth with water (only if the person is conscious).

**2.3. Other hazards****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

## STA Bond - Black

<b>3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridene</b>		<b>1-5%</b>
<b>CAS-No.: 34562-31-7</b>	<b>EC No.: 252-091-3</b>	<b>Registration Number: N/A</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	Classification (67/548/EEC) Xn;R21/22. Xi;R36/37/38.	
<b>CUMENE HYDROPEROXIDE</b>		<b>&lt; 1</b>
<b>CAS-No.: 80-15-9</b>	<b>EC No.: 201-254-7</b>	<b>Registration Number: 01-2119475796-19</b>
Classification (EC 1272/2008) Org. Perox. E - H242 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 3 - H331 Skin Corr. 1B - H314 STOT SE 3 - H335 STOT RE 2 - H373 Aquatic Chronic 2 - H411	Classification (67/548/EEC) O;R7 T;R23 C;R34 Xn;R21/22,R48/20/22 N;R51/53	
<b>METHACRYLIC ACID</b>		<b>1-5%</b>
<b>CAS-No.: 79-41-4</b>	<b>EC No.: 201-204-4</b>	<b>Registration Number: 01-2119463884-26</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1A - H314 STOT SE 3 - H335	Classification (67/548/EEC) C;R35 Xn;R21/22	
<b>METHYL METHACRYLATE</b>		<b>60-100%</b>
<b>CAS-No.: 80-62-6</b>	<b>EC No.: 201-297-1</b>	<b>Registration Number: 01-2119452498-28</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 STOT SE 3 - H335	Classification (67/548/EEC) F;R11 R43 Xi;R37/38	
<b>Para Toluene Sulphonyl Chloride</b>		<b>1-5%</b>
<b>CAS-No.: 98-59-9</b>	<b>EC No.: 202-684-8</b>	<b>Registration Number: N/A</b>
Classification (EC 1272/2008) Skin Corr. 1B - H314	Classification (67/548/EEC) C;R34.	

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<b>Stoddard solvent; Low boiling point naphtha - unspecified</b>		< 1
<b>CAS-No.: 8052-41-3</b>	<b>EC No.: 232-489-3</b>	<b>Registration Number: N/A</b>
Classification (EC 1272/2008) Flam. Liq. 1 - H224 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. Xi;R38. F+;R12. N;R51/53. R67.	
<b>Urethane Methacrylate Oligomer</b>		1-5%
<b>CAS-No.:</b>	<b>EC No.:</b>	<b>Registration Number: N/A</b>
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36/38.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### **Inhalation**

Move the exposed person to fresh air at once. Get medical attention.

##### **Ingestion**

Rinse mouth thoroughly. Get medical attention.

##### **Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water.

##### **Eye contact**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Obtain medical attention and bring these instructions.

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

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

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

##### **Extinguishing media**

Use fire-extinguishing media appropriate for surrounding materials.

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

##### **Specific hazards**

In case of fire, toxic gases may be formed (COx, NOx).

#### 5.3. Advice for firefighters

##### **Special Fire Fighting Procedures**

Containers close to fire should be removed or cooled with water.

##### **Protective equipment for fire-fighters**

Wear full protective clothing. Use air-supplied respirator during fire fighting.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet. Turn leaking containers leak-side up to prevent the escape of liquid.

## STA Bond - Black

### 6.2. Environmental precautions

Do not discharge onto the ground or into water courses.

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

Absorb in vermiculite, dry sand or earth and place into containers.

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid contact with skin and eyes. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid forming spray/aerosol mists.

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

Store in tightly closed original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
METHACRYLIC ACID	WEL	20 ppm	72 mg/m <sup>3</sup>	40 ppm	143 mg/m <sup>3</sup>	
METHYL METHACRYLATE	WEL	50 ppm	208 mg/m <sup>3</sup>	100 ppm	416 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

#### **Ingredient Comments**

WEL = Workplace Exposure Limits

### 8.2. Exposure controls

#### **Engineering measures**

Provide adequate ventilation.

#### **Respiratory equipment**

If ventilation is insufficient, suitable respiratory protection must be provided.

#### **Hand protection**

Use protective gloves.

#### **Eye protection**

Wear approved safety goggles.

#### **Other Protection**

Provide eyewash station.

#### **Hygiene measures**

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

#### **Personal protection**

When using do not smoke

#### **Skin protection**

Wear apron or protective clothing in case of contact.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Appearance</b>	Paste
<b>Colour</b>	White / off-white.
<b>Odour</b>	Characteristic.
<b>Solubility</b>	Slightly soluble in water. Soluble in: Organic solvents

**STA Bond - Black**

<b>Initial boiling point and boiling range</b> (°C)	100.5
<b>Melting point</b> (°C)	-48
<b>Relative density</b>	0.949 20
<b>Evaporation rate</b>	Slow
<b>Flash point</b> (°C)	11.5 Not noted.
<b>Flammability Limit - Lower</b> (%)	2.1
<b>Flammability Limit - Upper</b> (%)	12.5

**9.2. Other information****SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity****10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

**10.3. Possibility of hazardous reactions****10.4. Conditions to avoid**

Avoid heat.

**10.5. Incompatible materials****Materials To Avoid**

Strong oxidising substances. Strong acids.

**10.6. Hazardous decomposition products**

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Inhalation**

Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness.

**Ingestion**

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

**Skin contact**

Prolonged and frequent contact may cause redness and irritation.

**Eye contact**

Irritating and may cause redness and pain. The eyes may water profusely.

**Health Warnings**

May cause sensitisation by skin contact.

**Route of entry**

Inhalation. Skin and/or eye contact.

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity****12.2. Persistence and degradability****Degradability**

The product is biodegradable.

**12.3. Bioaccumulative potential**

**STA Bond - Black****Bioaccumulative potential**

Will not bio-accumulate.

**12.4. Mobility in soil****Mobility:**

The product hardens to a solid immobile substance.

**12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects****SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

UN No. (ADR/RID/ADN)	1247
UN No. (IMDG)	1247
UN No. (ICAO)	1247

**14.2. UN proper shipping name**

Proper Shipping Name	METHYL METHACRYLATE
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**14.3. Transport hazard class(es)**

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3
Transport Labels	

**14.4. Packing group**

ADR/RID/ADN Packing group	II
IMDG Packing group	II
ICAO Packing group	II

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

**14.6. Special precautions for user**

Hazard No. (ADR)	33 Highly flammable liquid (flash-point below 23°C).
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**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

## STA Bond - Black

### SECTION 15: REGULATORY INFORMATION

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

##### **Uk Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

##### **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

##### **Approved Code Of Practice**

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

##### **Guidance Notes**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

##### **EU Legislation**

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC.

##### **National Regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

#### 15.2. Chemical Safety Assessment

### SECTION 16: OTHER INFORMATION

<b>SDS No.</b>	11252
<b>Safety Data Sheet Status</b>	Approved.
<b>Date</b>	10.05.2013

##### **Risk Phrases In Full**

R34	Causes burns.
R35	Causes severe burns.
R12	Extremely flammable.
R21/22	Harmful in contact with skin and if swallowed.
R48/20/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable
R36/38	Irritating to eyes and skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37/38	Irritating to respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R7	May cause fire.
R43	May cause sensitisation by skin contact.
R41	Risk of serious damage to eyes.
R23	Toxic by inhalation.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

**STA Bond - Black****Hazard Statements In Full**

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H224	Extremely flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H242	Heating may cause a fire.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
H331	Toxic if inhaled.
H411	Toxic to aquatic life with long lasting effects.

**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.