

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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## Solid Surface Bonder

Revision 1

Revision date 2011-03-23

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

#### 1.1. Product identifier

Product name Solid Surface Bonder

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

Company	Bondchem
Address	Unit 10 Lawson Street Dock Road Industrial Estate North Shields Tyne and Wear NE29 6TF
Web	www.bondchem.com
Telephone	+44 (0)191 2586990
Fax	+44 (0)191 2596853

#### 1.4. Emergency telephone number

Emergency telephone number	+44 (0)191 2586990  9.00 am - 5.00 pm GMT Monday - Friday
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	F; R11 Xi; R36/37/38-43
Main hazards	Highly flammable. Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EINECS No.	REACH Registration Number	Conc. (%w/w)	Classification
Methyl methacrylate	607-035-00-6	80-62-6	201-297-1			F; R11 Xi; R37/38 R43
2-Methylpropenoic acid (Methacrylic acid)	607-088-00-5	79-41-4	201-204-4			Xn; R21/22 C; R35
Cumene hydroperoxide	617-002-00-8	80-15-9	201-254-7			O; R7 T; R23 Xn; R21/22-48/20/22 C; R34 N; R51/53

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention.
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## 4.1. Description of first aid measures

Eye contact	Bathe the eye with running water for 15 minutes. Seek medical attention.
Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash off immediately with plenty of soap and water.
Ingestion	Rinse mouth thoroughly. Seek medical attention.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ). Cool fire exposed containers with waterspray. Dry chemical. Use extinguishing media appropriate to the surrounding fire conditions. Water spray.
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### 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes. Vapour may travel considerable distance to source of ignition and flash back.
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### 5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Protective equipment. Self-contained breathing apparatus.
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## SECTION 6: Accidental release measures

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

	Eliminate all sources of ignition. Evacuate personnel to a safe area. Keep personnel away from spill. Keep public away from danger area. Keep upwind. Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind, keeping bystanders also 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 escape of liquid.
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### 6.2. Environmental precautions

	Contain the spillage using bunding. Do not empty into drains; dispose of this material and its container in a safe way.
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### 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Transfer to suitable, labelled containers for disposal. Use appropriate container to avoid environmental contamination.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid release to the environment. Refer to special instructions/Safety data sheets. Avoid sparks, flames, heat and sources of ignition. Ensure adequate ventilation of the working area. Handle and open container with care. Use only in well-ventilated areas. Wear suitable protective clothing, gloves and eye/face protection.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure Limit Values

2-Methylpropenoic acid	WEL 8-hr limit ppm: 20	WEL 8-hr limit mg/m <sup>3</sup> : 72
	WEL 15 min limit ppm: 40	WEL 15 min limit mg/m <sup>3</sup> : 143
Methyl methacrylate	WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m <sup>3</sup> : 208
	WEL 15 min limit ppm: 100	WEL 15 min limit mg/m <sup>3</sup> : 416

### 8.2. Exposure controls

Eye / face protection	Provide eye wash station. Wear eye/face protection.
Skin protection - Handprotection	Wash hands after handling the product. Wear suitable protective clothing and gloves.

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

State	Gel
Colour	Black
Odour	Strong
Flash point	11.5

**SECTION 10: Stability and reactivity****10.1. Reactivity**

	Avoid sparks, flames, heat and sources of ignition.
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**10.2. Chemical stability**

	Stable under normal conditions.
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**10.4. Conditions to avoid**

	Avoid sparks, flames, heat and sources of ignition.
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**10.6. Hazardous decomposition products**

	Burning produces irritating, toxic and obnoxious fumes.
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**SECTION 11: Toxicological information****11.1.4. Toxicological Information**

Chlorosulphonated Polyethylene	Dermal Rat LD50 = 836	Dermal Rabbit LD50 = 5377
Pyridine, 3,5-diethyl-1,2-dihydro-1-phenyl- 2propyl-	Oral Rat LD50 = 500	Dermal Rabbit LD50 = 1000
Triethyleneglycol Dimethacrylate	Dermal Rat LD50 = >5000	

**SECTION 12: Ecological information****12.1. Toxicity**

Chlorosulphonated Polyethylene	Daphnia EC50/48h = 43 mg/l	Fish LC50/96h = 81.6 mg/l
Triethyleneglycol Dimethacrylate	Fish LC50/96h = 16.4 mg/l	

**12.2. Persistence and degradability**

	Readily biodegradable.
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**12.3. Bioaccumulative potential**

	Does not bioaccumulate.
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**SECTION 13: Disposal considerations****General information**

	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Local and national regulations. This material and its container must be disposed of as hazardous waste.
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**SECTION 14: Transport information****Hazard pictograms**

Hazard pictograms	
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**14.1. UN number**

	UN1133
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## 14.2. UN proper shipping name

Proper Shipping Name	ADHESIVES
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## 14.3. Transport hazard class(es)

ADR/RID	3
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

## 14.4. Packing group

Packing group	II
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## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## ADR/RID

Hazard ID	33
Tunnel Category	D/E

## IMDG

EmS Code	F-E S-D
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## IATA

Packing Instruction (Cargo)	307
Maximum quantity	60L
Packing Instruction (Passenger)	305
Maximum quantity	5L

## SECTION 15: Regulatory information

## Labelling

Symbols	F: Highly flammable. Xi: Irritant.
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Risk phrases	R11 - Highly flammable. R36/37/38 - Irritating to eyes, respiratory system and skin. R43 - May cause sensitisation by skin contact.
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Safety phrases	S16 - Keep away from sources of ignition - No smoking. S24 - Avoid contact with skin. S37 - Wear suitable gloves.
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## SECTION 16: Other information

## Other information

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## Other information

Text of risk phrases in Section 3	
	R10 - Flammable
	R11 - Highly flammable.
	R21/22 - Harmful in contact with skin and if swallowed.
	R22 - Harmful if swallowed.
	R23 - Toxic by inhalation.
	R34 - Causes burns.
	R35 - Causes severe burns.
	R36/37/38 - Irritating to eyes, respiratory system and skin.
	R37/38 - Irritating to respiratory system and skin.
	R43 - May cause sensitisation by skin contact.
	R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
	R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R7 - May cause fire.