

## SAFETY DATA SHEET SOL X MM BOND

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME                    MM Bond  
 SUPPLIER                        Central Solutions (GB) Ltd  
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### 2 HAZARDS IDENTIFICATION

Highly flammable. Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

CLASSIFICATION                    Xi;R36/37/38. R43. F;R11.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
CUMENE HYDROPEROXIDE	201-254-7	80-15-9	< 1%	O;R7 T;R23 C;R34 Xn;R21/22, R48/20/22 N;R51/53
DEFOAMER			< 1%	Xi;R38. N;R51/53. R10,R67.
ETHANEDIOL	203-473-3			Xn;R22.
IMPACT MODIFIER			1-5%	R43.
METHACRYLIC ACID	201-204-4	79-41-4	1-5%	C;R35 Xn;R21/22
METHYL METHACRYLATE	201-297-1	80-62-6	60-100%	F;R11 R43 Xi;R37/38
PARA TOLUENE SULFONYL CHLORIDE	202-684-8	98-59-9	1-5%	C;R34.
AMINE ALDEHYDE		34562-31-7	1-5%	Xn;R22. Xi;R38.
QUINONE	203-405-2	106-51-4	<0.1	T;R23/25 Xi;R36/37/38 N;R50

The Full Text for all R-Phrases are Displayed in Section 16

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### INHALATION

Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

#### INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

#### SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing

#### EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

### 5 FIRE-FIGHTING MEASURES

## MM Bond

### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

### SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources.

Dike for water control

## 6 ACCIDENTAL RELEASE MEASURES

### SPILL CLEAN UP METHODS

Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level

### STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
DEFOAMER	WEL	20 ppm		50 ppm		
ETHANEDIOL	WEL		52 mg/m3(Sk)		104 mg/m3(Sk)	
METHACRYLIC ACID	WEL	20 ppm	72 mg/m3	40 ppm	143 mg/m3	
METHYL METHACRYLATE	WEL	50 ppm	208 mg/m3	100 ppm	416 mg/m3	
PARA TOLUENE SULFONYL CHLORIDE					5 mg/m3	
QUINONE	OES	0.1 ppm	0.45 mg/m3	0.3 ppm	1.3 mg/m3	

WEL = Workplace Exposure Limit.

### INGREDIENT COMMENTS

No exposure limits noted for ingredient(s).

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Well-ventilated area.

### HAND PROTECTION

Use protective gloves.

### EYE PROTECTION

Wear approved safety goggles.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Viscous Paste



**MM Bond**

COLOUR	White / off-white		
ODOUR	Characteristic		
RELATIVE DENSITY	0.9-1.0 20	VISCOSITY	120,000-150,000 cps 20
FLASH POINT (°C)	11.5 CC (Closed cup).		

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid heat. Avoid contact with oxidisers or reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

**11 TOXICOLOGICAL INFORMATION****INHALATION**

Irritating to respiratory system.

**INGESTION**

May cause stomach pain or vomiting.

**SKIN CONTACT**

Irritating to skin.

**EYE CONTACT**

Irritating to eyes.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Not regarded as dangerous for the environment.

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

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

**14 TRANSPORT INFORMATION**

UK ROAD CLASS	3		
PROPER SHIPPING NAME	ADHESIVES		
UN NO. ROAD	1133	UK ROAD PACK GR.	II
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II	HAZARD No. (ADR)	33
ADR LABEL NO.	3	HAZCHEM CODE	3YE
CEFIC TEC(R) NO.	30GF1-I+II, 30GF1-sp	RID CLASS NO.	3
RID PACK GROUP	II	UN NO. SEA	1133
IMDG CLASS	3	IMDG PACK GR.	II
EMS	F-E, S-D	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1133
AIR CLASS	3	AIR PACK GR.	II

**MM Bond****15 REGULATORY INFORMATION**

## LABELLING



Irritant



Highly Flammable

## CONTAINS

IMPACT MODIFIER

METHYL METHACRYLATE

## RISK PHRASES

R11 Highly flammable.  
 R36/37/38 Irritating to eyes, respiratory system and skin.  
 R43 May cause sensitisation by skin contact.

## SAFETY PHRASES

S9 Keep container in a well-ventilated place.  
 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 Wear suitable gloves.  
 S51 Use only in well-ventilated areas.

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

## APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

## GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

**16 OTHER INFORMATION**

## INFORMATION SOURCES

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

## REVISION COMMENTS

ISSUE 2

REVISION DATE

JANUARY 2009

**MM Bond**

## RISK PHRASES IN FULL

R10	Flammable.
R11	Highly flammable.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R23	Toxic by inhalation.
R23/25	Toxic by inhalation and if swallowed.
R34	Causes burns.
R35	Causes severe burns.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to 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	Very toxic to aquatic organisms.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
R7	May cause fire.

## DISCLAIMER

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