



SAFETY DATA SHEET
C.S.P. MORTAR/PRIMER - HARDENER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME C.S.P. MORTAR/PRIMER - HARDENER
 PRODUCT NO. 130/M200 AND P105/ - HARDENER
 APPLICATION HARDENER FOR TWO COMPONENT Primer and Crack and hole filler
 SUPPLIER COO-VAR
 Lockwood Street
 Hull
 HU2 0HN
 +44 (0) 1482 328053(T)
 +44 (0) 1482 219266(F)
 info@coo-var.co.uk
 CONTACT PERSON as above

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BENZOYL PEROXIDE	202-327-6	94-36-0	30-60%	E;R2 R43 Xi;R36

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

3 HAZARDS IDENTIFICATION

Irritating to eyes. May cause sensitisation by skin contact.

CLASSIFICATION Xi;R36. R43.

4 FIRST-AID MEASURES

GENERAL INFORMATION

Consult a physician for specific advice.

NOTES TO THE PHYSICIAN

Symptomatic treatment is advised

INHALATION

Move into fresh air and keep at rest. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Consult a physician for specific advice.

INGESTION

Immediately rinse mouth and provide fresh air. DO NOT INDUCE VOMITING! Get medical attention immediately!

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse.

EYE CONTACT

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

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use water as an extinguisher. DO NOT USE: Halon.
 Small fires: Use: Carbon dioxide or dry powder.

C.S.P. MORTAR/PRIMER - HARDENER**SPECIAL FIRE FIGHTING PROCEDURES**

Be aware of risk of fire re-starting, and risk of explosion. Decomposition under effect of heating. If involved in fire will support combustion. Avoid breathing fire vapours. Water spray should be used to cool containers.

UNUSUAL FIRE & EXPLOSION HAZARDS

OXIDISING! May explode when heated or when exposed to flames or sparks.

SPECIFIC HAZARDS

Fire or high temperatures create: Toxic gases/vapours/fumes of Carbon dioxide (CO₂). Benzoic acid. Benzene, Diphenyl 2-ethylhexyl phosphate, Phenyl benzoate,

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Avoid inhalation of dust. Avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

SPILL CLEAN UP METHODS

Dampen spillage with water. Shovel into dry containers. Cover and move the containers. Flush the area with water. Avoid dust formation. Do not close container tightly. Risk of excess pressure build-up.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Mechanical ventilation or local exhaust ventilation is required. Do not eat, drink or smoke when using the product. Avoid inhalation of dust. Use explosion proof electric equipment. Eliminate all sources of ignition.

STORAGE PRECAUTIONS

Keep containers tightly closed. Store in closed original container at temperatures between 5°C and 25°C. Do not store near heat sources or expose to high temperatures. Store isolated from reducing agents. Store away from Acids. Alkalies. heavy metal compounds(e.g. accelerators, driers, metal soaps.) Do not allow to dry out. Confinement must be avoided.

STORAGE CLASS

Flammable liquid storage. The storage and use of this product is subject to the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR. Up to 50 litres of liquids with a flashpoint below 32C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin. Larger quantities must be kept in a separate, marked storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
BENZOYL PEROXIDE	WEL		5 mg/m ³		

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT**ENGINEERING MEASURES**

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of dust. Provide explosion proof ventilation for high concentrations.

RESPIRATORY EQUIPMENT

Wear respirator if there is dust formation. Use respiratory equipment with particle filter, type P1.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact. Neoprene gloves are recommended.

C.S.P. MORTAR/PRIMER - HARDENER**EYE PROTECTION**

Use approved safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact. Launder clothes before reuse.

HYGIENE MEASURES

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Powder, dust		
COLOUR	White / off-white		
ODOUR	Slight odour		
SOLUBILITY	Insoluble in water		
BOILING POINT (°C)	Do not heat	RELATIVE DENSITY	1.23 @ 20 C
FLASH POINT (°C)	above the SADT value	AUTO IGNITION TEMPERATURE (°C)	SADT 55 C see section 10.

10 STABILITY AND REACTIVITY**STABILITY**

SADT- (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging used for transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the following temperature: 55C. Contact with incompatible substances can cause decomposition at or below the SADT.

CONDITIONS TO AVOID

Avoid temperatures above 25 C. Confinement must be avoided. DO NOT ALLOW TO DRY OUT. Explosive when dry.

MATERIALS TO AVOID

Avoid contact with rust, iron copper. Contact with incompatible materials such as acids, alkalies, heavy metals and reducing agents will result in hazardous decomposition.

HAZARDOUS DECOMPOSITION PRODUCTS

Benzoic acid. Benzene.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50	>5000 (Dibenzoyl peroxide) mg/kg (oral rat)
TOXIC CONC. - LC 50	>24.3; - (dibenzoyl peroxide) mg//4h (inh-rat)

TOXICOLOGICAL INFORMATION

Ames test: Not mutagenic.

SKIN CONTACT

Skin irritation is not anticipated when used normally. May cause sensitisation by skin contact.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

LC 50, 96 Hrs, FISH mg/l	2.0 (poecilla reticulata.) - Dibenzoyl peroxide
EC 50, 48 Hrs, DAPHNIA, mg/l	2.91

DEGRADABILITY

The product is easily biodegradable.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Waste is classified as special waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

C.S.P. MORTAR/PRIMER - HARDENER**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements. Incinerate in suitable combustion chamber.

WASTE CLASS

Ideally this component should be mixed with the appropriate resin base and allowed to react fully producing a solid non hazardous waste.

14 TRANSPORT INFORMATION

UK ROAD CLASS	5.2		
PROPER SHIPPING NAME	Organic peroxide type d, solid; (Dibenzoyl peroxide)		
RAIL TRANSPORT NOTES	Hazardous constituent: methyl methacrylate.		
UN NO. ROAD	1263	UK ROAD PACK GR.	II
ADR CLASS	Class 5.2: Organic peroxides.	ADR PACK GROUP	II
ADR LABEL NO.	P1	CEFIC TEC(R) NO.	52GP1-S
RID CLASS NO.	5.2	RID PACK GROUP	II
UN NO. SEA	3106	IMDG CLASS	5.2
IMDG PACK GR.	II	EMS	5.2-0.1
MARINE POLLUTANT	No.	UN NO. AIR	3106
AIR CLASS	5.2	AIR PACK GR.	II

15 REGULATORY INFORMATION**LABELLING**

Irritant

CONTAINS

BENZOYL PEROXIDE

RISK PHRASES

R36 Irritating to eyes.
R43 May cause sensitisation by skin contact.

SAFETY PHRASES

S3/7 Keep container tightly closed in a cool place.
S15 Keep away from heat.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S50 Do not mix with acid.
S60 This material and its container must be disposed of as hazardous waste.

UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations.

EU DIRECTIVES

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

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. 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. Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

GUIDANCE NOTES

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

C.S.P. MORTAR/PRIMER - HARDENER**NATIONAL REGULATIONS**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

16 OTHER INFORMATION**GENERAL INFORMATION**

Only trained personnel should use this material.

REVISION COMMENTS

Major revision (CHIP3) Revisions to sections: (1), (2), (3), (8), (14), (15), and (16) Revision for WEL(Workplace Exposure Limit) section 8. Addition of references to Manual Handling Regulations and Dangerous Substances and Explosive Atmospheres Regulations (DSEAR) in Section 7; Classification of Wastes in Section 13; associated Regulatory References in Section 15.

ISSUED BY

Technical Dept. (P.E.)

REVISION DATE 10/05/2006

REV. NO./REPL. SDS GENERATED 1

SDS NO. 10796

SAFETY DATA SHEET STATUS

Approved.

DATE Date printed_____

SIGNATURE Initials_____

RISK PHRASES IN FULL

- R2 Risk of explosion by shock, friction, fire or other sources of ignition.
R36 Irritating to eyes.
R43 May cause sensitisation by skin contact.

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.