

**1. PRODUCT IDENTIFICATION****CALCOAT-M**

Calcoat-M; a matt finish, wear resistant paint coating for CBCF materials.

Produced by Calcarb Ltd.

**2. CHEMICAL COMPOSITION**

Hazardous Substances	CAS No.	EC Number	Content %	Symbol (s)	R-phrase (s)
propan-2-ol	67-63-0	200-661-7	>49.2%	F + Xi	11, 36, 67
butan-2-one	78-93-3	201-159-0	21.1%	F, Xi	11, 36
furfuryl alcohol	98-00-0	202-626-1	6.31%	Xn	20, 21, 22
1-methoxy-2-propanol	107-98-2	203-539-1	1.8%	-	10
butanol	71-36-3	200-751-6	1.8%	Xn	10, 22, 37, 38, 41, 67
hexamine	100-97-0	202-905-8	<0.38%	F + Xn	11, 42, 43
phenol	108-95-2	203-632-7	<0.19%	T	24, 25, 34

**3. HAZARDS IDENTIFICATION**

Highly flammable.

Irritating to eyes. Vapours may cause drowsiness and dizziness. The liquid degrades the skin.

**4. EMERGENCY & FIRST AID PROCEDURES**

- Inhalation: Remove from exposure, rest and keep warm. In severe cases or if exposure has been great, **obtain medical attention.**
- Eye contact: Rinse immediately with water. If irritation persists **seek medical attention.**
- Skin contact: Wash the skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation persists, **seek medical attention.**
- Ingestion: Wash out mouth with water. Do not induce vomiting, **seek medical advice.**

**5. FIRE-FIGHTING MEASURES**

Extinguisher: Water **mist**, Foam, Carbon Dioxide, Dry Powder; all acceptable.

DO NOT use a full water jet extinguisher.

Protective Outfit: Wear full protective clothing and self contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES****Personal instructions**

Ventilate the area well to dispel residual vapours. Wear appropriate protective clothing and eliminate all sources of ignition.

**Environmental and cleanup instructions**

Contain spillages and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. Try to prevent material from entering drains and / or water courses. Advise authorities if spillage has entered course or sewer or has contaminated the soil or vegetation.

**7. HANDLING & STORAGE**

Do not breathe vapour and ensure adequate ventilation. Use protective clothing and gloves.

Storage area should be cool, under cover, well ventilated, away from sources of heat or ignition, out of direct sunlight, and below 30°C. Storage and transfer equipment should be adequately earthed and bonded to prevent the accumulation of static discharges. Obtain specialist advice in the choice of electrical equipment. Keep containers tightly closed.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION****Engineering measures**

Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.

**Hygiene measures**

Wash hands after handling compounds and before eating, drinking, smoking, using lavatory, and at the end of day.

**Personal Protective Equipment**

Respiratory tract: Respiratory protection if there is a risk of exposure to high vapour concentrations.

Skin: Wear suitable protective clothing

Hands: PVC or rubber gloves

Eyes: Safety goggles giving full protection to eyes.

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## 9. PHYSICAL DATA

Appearance and Odour	black, viscous fluid with solvent odour
Viscosity	Low
Boiling point	82°C (approx)
Melting point	-88°C (approx)
Flash point	>11°C
Explosive limits in air	1.4 to 13%
Autoignition temperature	>250°C
Vapour pressure	31 mmHg (approx)
Solubility in water	miscible
S.G. (20°C)	0.90mg/m <sup>3</sup>

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## 10. STABILITY AND REACTIVITY

Stable under normal conditions.

Avoid exposure to direct sunlight and / or static discharge.

Avoid contact with strong oxidants.

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## 11. TOXICOLOGICAL INFORMATION

The substance is irritating to eyes. **Calcoat-M** contains solvent(s). Vapours may cause drowsiness and dizziness. The liquid degreases the skin.

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## 12. ECOLOGICAL INFORMATION

Prevent contamination of soil, drains and surface waters. Contaminated waste water should be treated in a suitable cleaning plant.

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This product shows a low bioaccumulation potential.

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## 13. DISPOSAL CONSIDERATIONS

Treat as chemical waste in accordance with all local and national regulations. Incineration is the recommended method of disposal.

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## 14. TRANSPORT INFORMATION

International Transport Regulations  
UN number: 1263  
Proper shipping name: Paint  
UN Class: 3  
UN Packing group: II  
UN Label:



## 15. REGULATORY INFORMATION

EU Regulations  
Hazard symbol(s):



HIGHLY  
FLAMMABLE



IRRITANT

Risk Phrases

R11 – Highly flammable

R36 – Irritating to eyes

R67 – Vapours may cause drowsiness and dizziness

Safety Phrases

S2 – Keep out of reach of children

S7 – Keep container tightly closed

S16 – Keep away from sources of ignition – no smoking

S23 – Do not breathe vapour and spray

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

S51 – Use only in well-ventilated areas

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## 16. OTHER INFORMATION

**Uses and Restrictions:**

Calcoat-M; a matt finish, wear resistant paint coating for CBCF materials.

**Training and Related Advice:**

This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters.

**Other Literature:**

-Control of Substances Hazardous to Health Regulations 2002  
-EH 40: Occupational Exposure Limits ISBN 0 7176 2083 2

**Revision Details:**

Amended to comply with both the requirements of the Safety Data Sheet Directive 2001/58/EC and Regulation 5 of The Chemical (Hazard Information and Packaging for Supply) Regulations 2002.

**Publication and Revision Dates:**

Original Approval Date: 04 MAR 04

**Disclaimer:**

The technical information provided in this MSDS should only be used for the purpose of assessing hazards with respect to safety or the environment. It should not be used as a technical specification or for engineering calculations.

The information contained herein is accurate to the best knowledge and belief of Calcarb Ltd and intended to describe the product for the purposes of health, safety and environmental requirements only. It is not intended, and should not be construed, as a warranty. Calcarb Ltd should be consulted for further information.