



Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY UNDERTAKING:

Product Name : CARBOSHIELD
HS CODE : 32091000
Application : Anti-carbonation Exterior Coating
Manufacturer : MATEX CONSTRUCTION CHEMICALS
MANUFACTURING CO. L.L.C.
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Website : www.matex-global.com

2. HAZARDS IDENTIFICATION:

No significant hazard.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Composition : Special Type of Acrylic Polymer, calcium carbonate, water and Chemical Additives.

Ingredients	% Composition	CAS No.
Acrylic Co-polymer	35-40	9063-87-0
Calcium Carbonate	30-40	1317-65-3
Water	10-15	7732-18-15
Additives	2-5	3585-55-8
Titanium dioxide	5-0	13463-67-7

None of the ingredients of this product are classified as hazardous.

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.



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4. FIRST AID MEASURES:

Eyes	:	Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention if irritation persists.
Skin	:	Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.
Inhalation	:	Remove from exposure, unlikely to occur.
Ingestion	:	Wash out mouth with water. Obtain medical attention

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media	:	Carbon dioxide, powder, foam or water for – Do not use water jets.
Special Exposure Hazards	:	Material can splatter above 100°C. Polymer film can burn. Irritant fumes.
Special Protective Equipment	:	Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions	:	Wear suitable protective clothing, gloves and eye/face protection. Split product presents a significant slip hazard.
Environmental Precautions	:	Prevent entry into drains, sewers and water courses.
Decontamination Procedures	:	Soak up with inert absorbent or contain and remove by best available means. Gather into containers.

7. HANDLING AND STORAGE:

Handling	:	Avoid skin and eye contact.
Storage	:	Store in cool, dry area. Protect from frost.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS:

Occupational Exposure Limits	:	None assigned.
Engineering Control Measures	:	No specific ventilation requirement noted.
Personal Protective Equipment	:	Avoid skin and eye contact, impervious gloves (eg. nitrile or neoprene), goggles. When mist occurs during spraying operations, wear suitable respiratory protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State	:	Paste
Colour	:	Different colors
Odour	:	Slight / Faint
pH (working dilution)	:	7.5 - 9.0
Boiling Point/Range (°C)	:	100
Melting Point/Range (°C)	:	0
Flash Point (closed) (°C)	:	None
Autoflammability (°C)	:	Not applicable
Explosive Properties (%)	:	Not applicable
Oxidising Properties	:	Not applicable
Vapour Pressure (kPa at 20°C)	:	2.3 (water)
Relative Density (at 20°C)	:	1.2 – 1.4
Water Solubility	:	Emulsifiable

10. STABILITY AND REACTIVITY:

Stability	:	Stable
Conditions to avoid	:	Temperature (°C) below 2.
Materials to avoid	:	Non known
Hazardous Decomposition Products	:	Thermal decomposition. Oxides of carbon.

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11. TOXICOLOGICAL INFORMATION:

Health Effects:

The following toxicological assessment is based on a knowledge of the toxicity of the product's components. Oral LD50, rat. > 5000 mg/kg.
Dermal LD50, rat/rabbit > 5000 mg/kg.

Health Effects:

On Eyes	:	May cause transient irritation.
On skin	:	Unlikely to irritate on brief or occasional exposure.
By Inhalation	:	Low volatility makes inhalation unlikely at ambient temperatures.
By Ingestion	:	May cause irritation of mouth, throat and digestive tract.
Chronic	:	Low order of acute toxicity. May cause irritation of mouth, throat and digestive tract.

12. ECOLOGICAL INFORMATION:

Environmental / Assessment	:	When used and disposed of as intended, no adverse environmental effects are foreseen.
Mobility	:	Mobile liquid, emulsifiable in water.
Persistence and Degradability	:	Inherently biodegradable.
Bioaccumulative Potential	:	Not expected to be bioaccumulative.
Ecotoxicity	:	Not expected to be ecotoxic to fish/daphnia/algae.

13. DISPOSAL CONSIDERATIONS:

Disposal must be in accordance with local and national legislation.

Unused Product	:	Dispose of in an approved manner. Do not empty into drains, sewers or water courses.
Used / Contaminated Product	:	As for unused product.
Packaging	:	May be steam cleaned and recycled.

14. TRANSPORT INFORMATION:

This product is NOT classified as dangerous for transport.

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15. REGULATORY INFORMATION:

Hazard Label Data:

Safety Phrases : Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

EC Directives : Dangerous Substances Directive 67/548/EEC and adaptations.
Dangerous Preparations Directive, 88/379/EEC
Safety Data Sheets Directive, 91/155/EEC.

Statutory Instruments : Chemicals (Hazards Information and Packaging) reg. 1993 (SI 1746).
Control of Substances Hazardous to Health Reg. 1988 (SI 1657)
Environmental Protection (Duty of Care) Regs. 1991 (SI 2839).

Codes of Practice : Waste Management The Duty of Care.

The above publications are available from HMSO

16. OTHER INFORMATION:

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other applications. Use of the product for applications other than as stated in the sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from MATEX.

If the product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from MATEX.