

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **MASTERFLOW 648CP+, PART B**
Other name: Ceilcote 648CP+ (B)
Product code: 2010201009002_, 2010201009005_, 2010201009007_
Recommended use: Part B of a three component, high strength, temperature and flow grout.

Company: BASF Construction Chemicals Australia Pty Ltd.
ABN: 46 000 450 288
Address: 11 Stanton Road,
Seven Hills, NSW, 2147, Australia
Telephone number: +61 2 8811 4200
Facsimile: +61 2 8811 3299

Company: BASF Construction Chemicals New Zealand Ltd.
Address: 45 William Pickering Drive,
Albany, Auckland,
New Zealand
Telephone number: +64 9 414 7233
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Emergency telephone number: 0417 658 263, 0438 988 699

2. HAZARDS IDENTIFICATION

Hazard classification: Hazardous according to criteria of NOHSC

Risk phrase(s): R 20/21/22 Harmful by inhalation, in contact with the skin and if swallowed.
R 34 Causes burns
R 43 May cause sensitisation by skin contact.

Safety phrase(s): S 26 In case on contact with the eyes, rinse immediately with plenty of water and seek medical attention.
S 28 After contact with skin, wash immediately with plenty of soap and water.
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S 51 Use only in well ventilated areas.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS

<i>Chemical Name</i>	<i>CAS Number</i>	<i>Proportion</i>
Tetraethylenepentamine	112-57-2	> 60%
Triethylenetetramine	112-24-3	10 -< 30%
Dibutyl phthalate	84-74-2	< 10%
Petroleum solvent	64742-95-6	< 10%

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4. FIRST AID MEASURES

Ingestion: Do NOT induce vomiting. Wash mouth with water and seek medical attention.
Eyes: While holding eyes open, gently flood with plenty of fresh water for 15 minutes. If irritation persists or recurs seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.
Skin: Flush contacted area thoroughly with soap and plenty of water. Seek medical attention in event of irritation.
Inhalation: Remove to fresh air. If breathing is difficult give oxygen.
First aid facilities: Ensure availability of clean water for eye/skin wash.
Advice to doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, CO₂ and Dry Chemical.
Hazards from combustion products: Oxides of carbon and nitrogen and other possibly toxic fumes.
Precautions and equipment for fire fighters: Full protective clothing as per personal protection, section 8.
Hazchem code: 3X

6. ACCIDENTAL RELEASE MEASURES

Methods for clean up / collecting: Small or major spills should be absorbed with dry, inert filler (soil or sand) which then can be shovelled into appropriately labelled drums for disposal.
Environmental precautions: Do not discharge into sewers unless connected to a wastewater treatment plant.

7. HANDLING AND STORAGE

Conditions for safe storage

Location: Store in a cool, dry area.
Temperature conditions: 5 to 35°C
Protection from weather: Store undercover and away from moisture and frost.
Storage incompatibilities: Strong oxidising agents, acids and alkalis.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: Not available
Engineering controls: Ventilation is recommended under normal use conditions. State regulations on speed and direction of airflow away from operators must be observed. Keep containers closed when not in use.
Respiratory protection: Type A1 if ventilation is inadequate.
Glove type (AS2161): Long PVC or nitrile rubber gauntlets
Eye protection: Chemical worker's goggles.
Clothing: Overalls

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Other: Use barrier creams to protect skin from contact with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colourless to slight amber low viscosity liquid with ammoniacal odour.
Boiling point (°C): > 100
Melting point (°C): Not available
Vapour pressure @ 25°(kPa): < 2
Specific gravity: ca. 1.0
Flash point (°C): > 100
Flammability limits (%): UEL – Not applicable
LEL – Not applicable
Solubility in water: Soluble
pH (1:1 mixture): > 12

10. STABILITY AND REACTIVITY

Hazard of use/storage: Stable under normal storage and application temperature.
Materials to avoid: Strong oxidising agents, acids and alkalis.
Hazardous decomposition products: Oxides of carbon and nitrogen and other possibly toxic fumes.

11. TOXICOLOGICAL INFORMATION

Acute

Ingestion: Harmful if swallowed. [Oral, rat LD₅₀: > 1000mg/kg]
Eye: Corrosive. May cause permanent damage to the eye.
Skin: Corrosive. Repeated/prolonged exposure may cause dermatitis or sensitisation.
Inhalation: Harmful by inhalation. Irritant to the respiratory tract.

Chronic:

Susceptible individuals may develop allergic reactions such as dermatitis or asthma-like symptoms on a single significant skin exposure or may become sensitised to the material on repeated contact. Corrosive to eyes and skin. May cause sensitisation by skin contact or by inhalation.

12. ECOLOGICAL INFORMATION

Ecology: Do not discharge into sewers unless connected to a wastewater treatment plant.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

State/Territory authority: Observe all Federal, State and Local regulations
Dispose – Secure landfill: Yes.
Dispose – High temp incinerator: Yes.
Precautions for clean up crew: Full protective clothing as per personal protection, section 8.

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14. TRANSPORT INFORMATION

UN number:	1760
Dangerous goods class:	8
Subsidiary risk:	None allocated
EPG card:	8A1
Shipping name:	CORROSIVE LIQUID, N.O.S.
Packing group:	III
Poisons schedule:	5
Hazchem code:	3X

15. REGULATORY INFORMATION

Risk phrase(s):	R 20/21/22	Harmful by inhalation, in contact with the skin and if swallowed.
	R 34	Causes burns
	R 43	May cause sensitisation by skin contact.
Safety phrase(s):	S 26	In case on contact with the eyes, rinse immediately with plenty of water and seek medical attention.
	S 28	After contact with skin, wash immediately with plenty of soap and water.
	S 36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S 51	Use only in well ventilated areas.

16. OTHER INFORMATION

Reason for Issue: Change of company name.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.