



The Chemical Company

# MATERIAL SAFETY DATA SHEET

According to NOHSC: 2011 (2003) and HSNO CoP 8-1 (September 2006)

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** MCI-2020

**Other Name:** None allocated.

**Recommended Use:** Migratory corrosion inhibitor for concrete and mortar.

**Company:** BASF Construction Chemicals Australia Pty. Ltd. ABN 46 000 450 288  
BASF New Zealand Ltd.

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**Emergency Telephone Number:** 0417 658 263

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.  
Non Dangerous Goods for transport according to the ADG code.  
Hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and NOHSC.

**Hazard Designation:** Xi Irritant

**HSNO Classification**

6.1D	Acutely toxic (Dermal)
6.3A	Irritating to the skin
6.4A	Irritating to the eye
9.1C	Harmful in the aquatic environment.

**Risk Phrase(s):**

R22	Harmful if swallowed
R36/38	Irritating to eyes and skin.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrase(s):**

S 2	Keep out of reach of children.
S 26	In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
S27/28	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and running water.
S 36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S 45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Water	7732-18-5	> 60%
3-aminopropyltriethoxysilane (C; R 22-34)	919-30-2	< 10%

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2-amino-2-methylpropanol (Xi; R 36/38-52/53)	124-68-5	< 10%
Sodium salt of oxycarboxylic acid	Not available	< 10%
Aminocarboxylates	Not available	< 10%

## 4. FIRST AID MEASURES

<u>Inhalation:</u>	If inhalation occurs, remove victim from exposure. If difficulty breathing, administer oxygen. If breathing stopped administer artificial respiration. Seek medical attention
<u>Eyes:</u>	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.
<u>Skin:</u>	Remove contaminated clothing. Wash contacted areas thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before re-use.
<u>Ingestion:</u>	Do not induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do NOT give anything by mouth to an unconscious person.

## 5. FIRE FIGHTING MEASURES

<u>Suitable extinguishing media:</u>	Use extinguishing agent suitable for type of surrounding fire e.g. Water Spray or Fog, Alcohol Resistant Foam, Carbon dioxide (CO <sub>2</sub> ) and Dry Chemical.
<u>Hazards from combustion products:</u>	Possible oxides of carbon and nitrogen from dried residues under fire conditions.
<u>Precautions and equipment for fire fighters:</u>	None known
<u>Hazchem code:</u>	Not applicable

## 6. ACCIDENTAL RELEASE MEASURES

<u>Methods and materials for containment and clean up:</u>	Caution slippery when spilt. Stop leak if possible without risk. Spills should be contained by absorbing with dry inert filler (vermiculite, sand or soil), which can then be shovelled into appropriately labelled drums for disposal. Carefully dilute with water (fine spray or fog). Wash down area with excess water into a containment area or contain with inert filler for disposal. Spills in a contained area such as a bund can be removed by a commercial bulk liquid waste disposal organisation.
<u>Environmental precautions:</u>	Do not allow to enter into drains, sewers or waterways.

## 7. HANDLING AND STORAGE

<u>Precautions for safe handling:</u>	Wear PPE as per Section 8.
<u>Conditions for safe storage:</u>	Store undercover in a cool dry area. Avoid strong oxidising agents, acids and alkalis.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Ventilation:</u>	Ventilation is generally not required. Avoid generation of mist.
<u>Personal Protective Equipment (PPE):</u>	It is generally recommended that contact with any chemical be kept to a minimum. Following is a guide to suggested PPE that may be utilised for handling this product.
<u>Respiratory protection:</u>	No special requirements. Avoid inhaling mists.
<u>Glove type (AS2161):</u>	Impervious gloves e.g. PVC, butyl or nitrile rubber.
<u>Eye protection:</u>	Safety glasses or face shield or chemical worker's goggles.
<u>Clothing:</u>	General protective clothing such as overalls or long pants and a long sleeve shirt or a chemical apron. Remove contaminated clothing as soon as possible. Launder thoroughly before reusing. For large spills or ponded areas impervious footwear is preferred.
<u>Other:</u>	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

<u>Appearance:</u>	Light yellow
<u>Odour:</u>	Mild
<u>pH:</u>	9 – 10 (1% aqueous soln.) (20°C)
<u>Solubility in water:</u>	Fully miscible.
<u>Specific gravity:</u>	1.02 – 1.03 g/cm <sup>3</sup> (20°C)
<u>Solids Content:</u>	5 – 10%
<u>Flash point:</u>	Not applicable – aqueous solution.

## 10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Stable if stored and used according to product guidelines.
<u>Incompatible materials:</u>	Avoid strong oxidising agents, acids and alkalis.
<u>Hazardous decomposition products:</u>	No dangerous decomposition products known
<u>Hazardous reactions:</u>	No dangerous reactions known

## 11. TOXICOLOGICAL INFORMATION

### Effects of Overexposure

<u>Inhalation:</u>	Irritant to mucous membranes
<u>Eyes:</u>	Irritant to eyes.
<u>Skin contact:</u>	Irritant to skin
<u>Ingestion:</u>	May be irritating.
<u>Sensitization:</u>	No sensitizing effects known.
<u>Chronic:</u>	Not a carcinogen, mutagen or teratogen. There have been no reports in the literature of health effects in workers arising from long-term exposure to this material and no comprehensive human studies have been conducted

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## 12. ECOLOGICAL INFORMATION

Ecology: Do not discharge into sewers or waterways.  
Marine pollutant: Not listed

## 13. DISPOSAL CONSIDERATIONS

Disposal method and containers: Observe all Federal, State and Local regulations. Dispose of material through a licensed waste contractor. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Special precautions (landfill/incineration): Normally suitable for disposal at approved land waste site. Not to be disposed of in high temperature incinerator.

## 14. TRANSPORT INFORMATION

UN Number: None allocated  
UN Proper Shipping Name: None allocated  
Dangerous Goods Class: None allocated  
Subsidiary Risk: None allocated  
EPG Card: None allocated  
Packing Group: None allocated  
Hazchem Code: None allocated

## 15. REGULATORY INFORMATION

NICNAS / AICS: All components are listed  
Poisons Schedule: 5  
HSNO Classifications: 6.1D, 6.3A, 6.4A, 9.1C.  
ERMA Group Standard: HSR002549  
ERMA / NZIoC: All components are listed  
Tracking: Not required  
Approved Handler: Not required

## 16. OTHER INFORMATION

Reason for issue: Update information and inclusion of New Zealand ERMA/HSNO requirements.

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.