

# 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-2006NS

**Other Name:** MCI-2006NS Grenade

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

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

**Address:** 11 Stanton Road, Seven Hills, NSW, 2147 Australia  
45 William Pickering Drive, Albany, Auckland, New Zealand

**Telephone Number:** +61 2 8811 9624 4200 +64 9 414 7233

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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:** C Corrosive

**HSNO Classification:** None

**Risk Phrase(s):** R 34 Causes burns.  
R 37 Irritating to respiratory system.

**Safety Phrase(s):** S 1/2 Keep locked up and out of reach of children.  
S 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.  
S 36/37 Wear suitable protective clothing and gloves.  
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>
Inorganic salt	Not available	30 - 60%
Sodium salt of oxycarboxylic acid	Not available	30 - 60%
Aminocarboxylates	Not available	< 30%
Non hazardous ingredients		to 100%

## 4. FIRST AID MEASURES

**Inhalation:** Not a normal rout of injury. If inhalation occurs, remove victim from exposure. If difficulty breathing, administer oxygen. If breathing stopped administer artificial respiration. Seek medical attention

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<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.
<u>Precautions and equipment for fire fighters:</u>	None known
<u>Hazchem code:</u>	2X

## 6. ACCIDENTAL RELEASE MEASURES

<u>Methods and materials for containment and clean up:</u>	Caution slippery when spilt. Spills should be vacuumed or swept up and shovelled into appropriately labelled drums for re-use or disposal by a commercial waste disposal organisation. Refer to the local Waste Management Authority and comply with local regulations.
<u>Environmental precautions:</u>	Do not discharge into 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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Ventilation:</u>	Ventilation is generally not required. Avoid generation of dust.
<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>	Class P1 or dust mask.
<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

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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>	Off-white powder
<u>Odour:</u>	Feint, characteristic.
<u>pH:</u>	11.0 – 12.5 (23 °C)
<u>Solubility in water:</u>	Soluble
<u>Specific gravity:</u>	approx. 2.0 g/cm <sup>3</sup> (23 °C)
<u>Solids Content:</u>	99.5 – 100%
<u>Flash point:</u>	Non-flammable

## 10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Stable. Not sensitive to mechanical impact.
<u>Incompatible materials:</u>	Strong mineral acids and oxidisers.
<u>Hazardous decomposition products:</u>	No dangerous decomposition products known
<u>Hazardous reactions:</u>	Hazardous polymerisation will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Effects of Overexposure

<u>Inhalation:</u>	Not applicable.
<u>Eyes:</u>	Irritant, corrosive.
<u>Skin contact:</u>	Caustic effect on skin and mucous membranes. Contact may lead to irritation.
<u>Skin absorption:</u>	Does not absorb through skin.
<u>Ingestion:</u>	Inorganic salt      Oral LD <sub>50</sub> - 1280mg/kg (rat) Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
<u>Chronic:</u>	No sensitising effects known. No comprehensive human studies have been conducted. Materials used in this product are not known carcinogens, mutagens or teratogens. There have been no reports in the literature of health effects in workers arising from long-term exposure to materials used in this product.

## 12. ECOLOGICAL INFORMATION

<u>Ecology:</u>	Do not discharge into sewers or waterways.
<u>Marine pollutant:</u>	Not listed

## 13. DISPOSAL CONSIDERATIONS

<u>Disposal method and containers:</u>	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.
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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

<u>UN Number:</u>	1759
<u>UN Proper Shipping Name:</u>	Corrosive solid, N.O.S.
<u>Dangerous Goods Class:</u>	8
<u>Subsidiary Risk:</u>	None allocated
<u>EPG Card:</u>	8A1
<u>Packing Group:</u>	III
<u>Hazchem Code:</u>	2X

## 15. REGULATORY INFORMATION

NICNAS / AICS:	All components are listed
Poisons Schedule:	5
HSNO Classifications:	Not required. Non hazardous.
ERMA Group Standard:	Not required. Non hazardous.
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.