

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: **DELVO ESC**

Other name: None allocated

Recommended use: Hydration control admixture.

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

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

Telephone number: +61 2 8811 4200 +64 9 414 7233

Facsimile: +61 2 8811 3299 +64 9 414 7244

Emergency telephone number: +61 417 658 263

2. HAZARDS IDENTIFICATION

Hazard classification: NON-HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS
Not hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001

Hazard Designation: None allocated

HSNO Classification: None

Risk phrase(s): None

Safety phrase(s): None

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
All ingredients determined not to be hazardous		100%

4. FIRST AID MEASURES

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration. Seek medical attention.

Eyes: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing before re-use.

Ingestion: Not a normal route of injury. 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

Suitable extinguishing media: Use extinguishing agent suitable for type of surrounding fire.

Hazards from combustion products: Oxides of carbon, nitrogen and phosphorus from incomplete combustion.

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Precautions and equipment for fire fighters: None known.

Hazchem code: None allocated

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and clean up: No special procedures are required for clean up of spills or leaks of this material. Sweep up and return for re-use or discard.

Environmental precautions: Do not allow to enter into drains, sewers or waterways.

7. HANDLING AND STORAGE

Precautions for safe handling: No special precautions.

Conditions for safe storage: Keep containers tightly closed; store under cool dry conditions. Store away from strong mineral acids and oxidising agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particles below the OEL (Occupational Exposure Limit), suitable respiratory protection must be worn.

Exposure Standards
Particulates Not Otherwise Classified:
Inspirable dust: TWA 10 mg/m³
Respirable dust: TWA 3 mg/m³

Personal Protective Equipment (PPE):

Respiratory protection: Wear respiratory protection whenever airborne concentrations exceed the above TWA limits.

Glove type (AS2161): Chemical resistant gloves e.g. PVC or nitrile rubber.

Eye protection: Chemical goggles or safety glasses with side shields.

Clothing: No special clothing required but overalls or other suitable industrial clothing which provides full skin coverage are suggested as a general precaution, especially where heavy contamination is likely.

Other: Do not eat drink or smoke while working 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: Large, whitish pellet

Odour: Odourless

pH: Not applicable

Explosion Limit: Not available

Solubility in water: Partly soluble

Specific gravity: Not available

Melting point: Not applicable

Flash point: Non-flammable

Boiling point: Not applicable

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10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Stable. Not sensitive to mechanical impact.
<u>Incompatible materials:</u>	Strong mineral acids and oxidising agents.
<u>Hazardous decomposition products:</u>	Oxides of carbon, nitrogen and phosphorus from incomplete combustion.
<u>Hazardous reactions:</u>	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

<u>Health Hazard Summary:</u>	The product does not contain carcinogenic materials. Components are not known to be mutagenic, teratogenic or have reproductive health hazards.
<u>Inhalation:</u>	Nuisance dust may cause temporary but reversible irritation.
<u>Eyes:</u>	Abrasive action may cause slight to moderate irritation. In combination with water may cause slight to moderate irritation, reddening, swelling, tearing and blurred vision.
<u>Skin contact:</u>	Abrasive action may cause slight irritation. In combination with water, prolonged or repetitive contact may cause slight to moderate irritation. Does not absorb through skin.
<u>Ingestion:</u>	Amounts ingested to incidental industrial handling are not expected to cause injury.
<u>Toxicity Data:</u>	Not available.

12. ECOLOGICAL INFORMATION

<u>Ecology:</u>	Do not discharge into drains, sewers or waterways. Degradability not determined. Not listed as a marine pollutant.
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13. DISPOSAL CONSIDERATIONS

<u>Disposal method and containers:</u>	Ensure containers are sealed. Dispose of material through a licensed waste contractor. Refer to Waste Management Authority.
<u>Special precautions (landfill/incineration):</u>	Normally suitable for disposal at approved land waste site.

14. TRANSPORT INFORMATION

<u>UN number:</u>	None allocated
<u>UN proper shipping name:</u>	None allocated
<u>Dangerous goods class:</u>	None allocated
<u>Subsidiary risk:</u>	None allocated
<u>Packing group:</u>	None allocated
<u>Hazchem code:</u>	None allocated

15. REGULATORY INFORMATION

NICNAS / AICS:	All components are listed
Poisons Schedule:	Not Scheduled
HSNO Classifications:	None allocated
ERMA Group Standard:	None allocated
ERMA / NZIoC:	All components are listed
Tracking:	Not required



The Chemical Company

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Approved Handler: Not required

16. OTHER INFORMATION

Reason for issue: Update to combined Australia and New Zealand MSDS.

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.