

# Safety data sheet

Page: 1/9

BASF Safety data sheet  
Date / Revised: 31.03.2011  
Product: **DELVO CRETE STABILIZER**

Version: 1.0

(30362414/SDS\_GEN\_AU/EN)

Date of print 01.04.2011

## 1. Substance/preparation and company identification

### DELVO CRETE STABILIZER

Use: Product for construction chemicals

Company:

BASF Australia Limited (ABN 62 008 437 867)  
Level 12, 28 Freshwater Place Southbank  
Victoria 3006, AUSTRALIA  
Telephone: +61 3 8855-6600  
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]  
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

## 2. Hazard identification

HAZARDOUS SUBSTANCE, DANGEROUS GOOD  
Irritating to eyes and skin.

Keep out of the reach of children.  
Avoid contact with skin and eyes.  
Avoid contact with eyes.

Wear suitable protective clothing, gloves and eye/face protection, also during mixing and loading of the agent.

### 3. Composition/information on ingredients

#### Chemical nature

Blend based on: inorganic acids

#### Hazardous ingredients

Citric Acid monohydrate powder

Content (W/W):  $\geq 5\%$  -  $\leq 20\%$

CAS Number: 5949-29-1

EC-Number: 201-069-1

Hazard symbol(s): Xi

R-phrase(s): 36

ATMP CON50%

Content (W/W):  $\geq 5\%$  -  $\leq 20\%$

Hazard symbol(s): C

R-phrase(s): 34

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

---

### 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

---

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:  
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:  
carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Special protective equipment:  
Wear a self-contained breathing apparatus.

Further information:  
The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

---

## 6. Accidental Release Measures

Personal precautions:  
Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:  
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:  
For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.  
For large amounts: Pump off product.

---

## 7. Handling and Storage

### Handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:  
The product does not contribute to the spreading of flames, nor is it self combustible, not explosive. Take precautionary measures against static discharges.

### Storage

Suitable materials for containers: High density polyethylene (HDPE)  
Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store protected against freezing.

## 8. Exposure controls and personal protection

### Components with workplace control parameters

no exposure standard allocated

### Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other  
 Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: colourless to lightly coloured  
 Odour: characteristic

pH value: approx. 2  
 (approx. 20 °C)

Information on: Water  
 solidification temperature: 0 °C

-----  
 Boiling point: > 100 °C  
 Information on: Water  
 boiling temperature: 100 °C  
 (1,000 hPa)  
 -----

BASF Safety data sheet  
Date / Revised: 31.03.2011  
Product: **DELVO CRETE STABILIZER**

Version: 1.0

(30362414/SDS\_GEN\_AU/EN)

Date of print 01.04.2011

Flash point: Non-flammable.

Ignition temperature: not applicable

Explosion hazard: not explosive

Vapour pressure: not applicable

Information on: Water

Vapour pressure: 23 mbar  
(20 °C)

-----

Density: approx. 1.085 g/cm<sup>3</sup>  
(20 °C)

Bulk density: not applicable

Solubility in water: completely soluble

Miscibility with water: miscible in all proportions

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

---

## 10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Corrosion to metals: No corrosive effect on metal.

Hazardous reactions:

The product is stable if stored and handled as prescribed/indicated.

No hazardous decomposition products if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Acute toxicity

Information on: Nitrotrimethylenetris(phosphonic acid)  
LD50 rat (oral): 2,910 mg/kg  
Literature data.

-----

## Irritation

Information on: Nitilotrimethylenetris(phosphonic acid)  
Assessment of irritating effects:  
Eye contact causes irritation. Skin contact causes irritation.  
-----

Information on: Nitilotrimethylenetris(phosphonic acid)  
Primary skin irritation rabbit: Irritant.  
Literature data.  
-----

## Sensitization

Assessment of sensitization:  
The product has not been tested. The statement has been derived from the properties of the individual components.

## Repeated dose toxicity

Assessment of repeated dose toxicity:  
The product has not been tested. The statement has been derived from the properties of the individual components.

## Genetic toxicity

Assessment of mutagenicity:  
The product has not been tested. The statement has been derived from the properties of the individual components.

## Carcinogenicity

Assessment of carcinogenicity:  
The product has not been tested. The statement has been derived from the properties of the individual components.

## Reproductive toxicity

Assessment of reproduction toxicity:  
The product has not been tested. The statement has been derived from the properties of the individual components.

## Developmental toxicity

Assessment of teratogenicity:  
The product has not been tested. The statement has been derived from the properties of the individual components.

## Other relevant toxicity information

irritating effect to the skin and mucous membranes The product has not been tested. The statement has been derived from the properties of the individual components.

BASF Safety data sheet  
Date / Revised: 31.03.2011  
Product: **DELVO CRETE STABILIZER**

Version: 1.0

(30362414/SDS\_GEN\_AU/EN)

Date of print 01.04.2011

---

## 12. Ecological Information

### Ecotoxicity

Information on: Nitrilotrimethylenetris(phosphonic acid)

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

-----

Information on: Orthophosphoric acid

Toxicity to fish:

LC50 (96 h) 138 mg/l, *Gambusia affinis*

The data refer to a preparation of the substance.

-----

### Persistence and degradability

Information on: Nitrilotrimethylenetris(phosphonic acid)

Elimination information:

0 - 10 % COD reduction (28 d) (OECD 301E; 84/449/EEC, C.3) (aerobic, activated sludge)

Literature data.

80 - 90 % DOC reduction (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

Literature data.

-----

### Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statement has been derived from the properties of the individual components.

---

## 13. Disposal Considerations

Observe national and local legal requirements.

Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

---

## 14. Transport Information

### Domestic transport:

Hazard class: 8

Packing group: III

ID number: UN 3265

Hazard label: 8

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (contains NITRILOTRIMETHYLENETRIS(PHOSPHONIC ACID)),

BASF Safety data sheet  
 Date / Revised: 31.03.2011  
 Product: **DELVO CRETE STABILIZER**

Version: 1.0

(30362414/SDS\_GEN\_AU/EN)

Date of print 01.04.2011

PHOSPHORIC ACID)

**Further information**

Hazchem Code:2X  
 IERG Number:36

**Sea transport**

IMDG

Hazard class:	8
Packing group:	III
ID number:	UN 3265
Hazard label:	8
Marine pollutant:	NO
Proper shipping name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (contains NITRILOTRIMETHYLENETRIS(PHOSPHONIC ACID), PHOSPHORIC ACID)

**Air transport**

IATA/ICAO

Hazard class:	8
Packing group:	III
ID number:	UN 3265
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (contains NITRILOTRIMETHYLENETRIS(PHOSPHONIC ACID), PHOSPHORIC ACID)

**15. Regulatory Information**

Poisons Schedule: Not scheduled

**Regulations of the European union (Labelling)**

Hazard symbol(s)

Xi Irritant.

R-phrase(s)

R36/38 Irritating to eyes and skin.

S-phrase(s)

S2 Keep out of the reach of children.

S24/25 Avoid contact with skin and eyes.

S25 Avoid contact with eyes.

S36/37/39 bis Wear suitable protective clothing, gloves and eye/face protection, also during mixing and loading of the agent.

Hazard determining component(s) for labelling: Citric Acid monohydrate powder, ATMP CON50%

---

BASF Safety data sheet  
Date / Revised: 31.03.2011  
Product: **DELVO CRETE STABILIZER**

Version: 1.0

(30362414/SDS\_GEN\_AU/EN)

Date of print 01.04.2011

---

### Other regulations

#### Registration status:

AICS, AU released / listed

---

## 16. Other Information

Due to the merger of Degussa Construction chemicals and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us under the address mentioned in Section I.

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

Xi	Irritant.
C	Corrosive.
36	Irritating to eyes.
34	Causes burns.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.