

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **DELVO STABILISER**

Company: BASF South East Asia Pte Ltd
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Singapore 639090

Telephone number: +65 6861 6766
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2. HAZARDS IDENTIFICATION

Safety hazards: Corrosive

Health hazards: Eye irritant. Skin irritant. May cause sensitization in susceptible individuals by skin contact. Irritant if swallowed.

Environment hazards: See section 12.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Aqueous preparation of organic acids.

Hazardous Ingredients:	Amino-tris methanephosphonic acid	Citric acid monohydrate	Water
CAS No:	6419-19-8	5949-29-1	7732-18-5
Hazard symbols:	Xi	Xi	
R-phrases:	36/38	36	
% Concentration:	10-30%	10-30%	40-80%

4. FIRST AID MEASURES

Ingestion: No harmful effects expected.

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: Remove all contaminated clothing and shoes. Wash skin thoroughly with soap and water. Avoid solvents. Seek medical advice if irritation persists.

Inhalation: n.a.

First aid facilities: Ensure availability of clean water for eye/skin wash.

Advice to doctor: Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray, foam, CO₂ and dry powder.
Hazards from combustion products: In case of fire oxides of carbon, nitrogen and other toxic gases are formed.
Precautions and equipment for fire fighters: Wear self-contained breathing apparatus in enclosed areas.

6. ACCIDENTAL RELEASE MEASURES

Methods for clean up / collecting: Caution slippery when spilled. Stop leak if possible without risk.
Wash down area with excess water.
Environmental precautions: May be flushed down sewers if local regulations permit.
Personal precautions: Wear appropriate personal protection and ensure adequate ventilation.

7. HANDLING AND STORAGE

Conditions for safe storage

Location: Store in a cool dry area. Keep containers closed.
Temperature conditions: 5 to 35°C
Protection from weather: Store undercover and away from frost.
Storage incompatibilities: n.a.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: Not available
Engineering controls: Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Personal Protective Equipment This product is not classified as hazardous, so PPE is not normally essential. However, 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.

Respiratory protection: n.a.
Glove type (AS2161): Protective gloves or suitable barrier cream recommended.
Eye protection: Wear safety glasses that comply with local standards.
Clothing: Wear overalls or other suitable protective clothing. Remove contaminated clothing as soon as possible. Launder thoroughly before reusing. For large spills or ponded areas impervious footwear is preferred.

Other: Wear gloves or 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid.
Colour:	Light pink
Odour:	Slightly acidic.
Freezing temperature (°C):	n.d.
Boiling point (°C):	> 100
Melting point (°C):	n.a.
Vapour pressure:	n.a.
Specific gravity:	1.09 - 1.11gcm ⁻³ (25)
Flash point (°C):	n.a. (aqueous)
Flammability limits (%):	UEL – n.a. LEL – n.a.
Solubility in water:	n.d.
pH:	≤ 1.5
Viscosity:	n.a.

10. STABILITY AND REACTIVITY

Hazard of use/storage:	Stable under normal storage and application temperature
Hazardous reactions (conditions to avoid):	Freezing.
Materials to avoid:	n.a.
Hazardous decomposition products:	None.

11. TOXICOLOGICAL INFORMATION

Acute

Ingestion:	n.d.
Eye:	n.d.
Skin:	n.d.
Inhalation:	n.d.

Chronic: 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.

12. ECOLOGICAL INFORMATION

Ecology:	n.d.
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13. DISPOSAL CONSIDERATIONS

Disposal Methods

State/Territory authority: Dispose in accordance with all local and governmental regulations
Dispose – Secure landfill: Yes.
Dispose – High temp incinerator: No
Precautions for clean up crew: Nitrile rubber or PVC gauntlets.

14. TRANSPORT INFORMATION

UN number: 3265
Dangerous goods class: 8
Warning sign: Corrosive
Subsidiary risk:
EPG card:
Shipping name:
PG: III
Poisons schedule:
Hazchem code:

15. REGULATORY INFORMATION

Classification: labelling required.
Hazard labels: C-Corrosive.
Risk phrase(s): R34- Causes burn.
R36/38- Irritating to eyes and skin.
Safety phrase(s): S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27- Take off immediately all contaminated clothing.
S28- After contact with skin, wash immediately with plenty of water.

16. OTHER INFORMATION

Key:
n.a. = not applicable
n.as. = not assigned
n.d. = no data

Reason for Issue: New format based on National Code of Practice for the preparation of MSDS – 2nd edition [NOHSC:2011(2003)]. 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



The Chemical Company

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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.