

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) Name: Hepes Buffer. Catalogue # C018.
Other Names:
Recommended Use: A buffer.

Supplier Name: ProSciTech
Postal Address: PO Box 111, Thuringowa Central Qld. 4817 Australia
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444
Fax Number: (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to criteria of NOHSC.
Risk Phrases:
Safety Phrases:

SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

SUBSTANCE:

Chemical Identity: Hepes
Common Name(s): N-2-Hydroxyethylpiperazine-N'-2-Ethanesulphonic Acid
CAS Number(s): 7365-45-9

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
N-2-Hydroxyethylpiperazine-N'-2-Ethanesulfonic Acid	7365-45-9	no data

SECTION 4 - FIRST AID MEASURES

Swallowed: If swallowed wash out mouth with water, provided the person is conscious. Seek immediate medical attention.

Eye: Flush eyes with water for at least 15 minutes. Seek medical attention if irritation persists.

Skin: Wash affected area with soap and water. Seek medical attention if irritation persists.

Inhaled: Remove person to fresh air, if not breathing give artificial respiration. Seek immediate medical attention.

First Aid Facilities: Eye bath, Safety shower.

Medical Attention & Special Treatment:

ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, CO₂, dry chemical powder, alcohol or polymer foam.
Hazards from Combustion Emits toxic fumes under fire conditions.
Products:
Precautions for Fire Fighters: Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Hazchem Code:

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:
Containment and clean up: Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in sealed container and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site following material pick up.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling: Avoid breathing dust and contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container closed. Wear chemical safety goggles, NIOSH/MSHA-approved respirator and compatible chemical resistant gloves.

Conditions for Safe Storage: Store container in a cool dry place, keep container tightly closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards:

Biological Limit Values:

Engineering Controls: Use in a well ventilated area.

Personal Protective Equipment: Self contained breathing apparatus (NIOSH/MSHA approved), chemical safety goggles, rubber boots, heavy rubber gloves.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: White powder

Odour: Not available.

pH: Not available.

Vapour pressure: Not available.

Vapour density: Not available.

Boiling point/range: Not available.

Freezing/melting point: MP 234°C

Solubility: 100%

Specific gravity or density: Not available.

Flash Point: Not available.

Flammable (explosive) limits: Not available.

Ignition temperature: Not available.

Additional Information:

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:

Conditions to avoid: Protect from moisture.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Toxic fumes of carbon monoxide, carbon dioxide, nitrogen, oxides, sulphur oxides.

Hazardous Reactions:

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute and chronic health effects:

Possible routes of exposure: Inhalation, ingestion, eye and skin contact.

Range of effects following exposure: May cause irritation. To the best of our knowledge, the chemical, physical, and toxicological properties of this chemical have not been thoroughly investigated.

Dose likely to cause injury:

Delayed effects:

Relevant negative data:

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

Persistence and degradability:

Mobility:

Additional Information:

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods: Dissolve or mix with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber. Observe all federal, state and local laws.

Special Precautions:

SECTION 14 - TRANSPORT INFORMATION

UN Number:

UN Proper Shipping Name:

Class and Subsidiary risk:

Packing Group:

Special Precautions for User:

Hazchem Code:

SECTION 15 - REGULATORY INFORMATION
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Poison Schedule Number: None allocated

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: 4 September 2007
