



6351 Inducon Drive East - Sanborn, NY 14132 • www.unitedbiochemicals.com

United Biochemicals
6351 Inducon Drive East
Sanborn, New York, USA
Emergency # (Spills & Exposures): 800-424-9300 - CHEMTREC

TEL: 716-731-5161
FAX: 716-731-5163

Material Safety Data Sheet

Effective Date: 06/16/10

IDENTIFICATION SECTION

Product Name Pipes Buffer
Other Names Piperazine-1,4-bis(2-ethanesulphonic acid)
U.N. Number None allocated
Dangerous Goods Class None allocated
Hazchem Code None allocated
Poison Schedule None allocated

Physical Description and Properties

Appearance White crystals
Boiling Point/Melting Point MP not less than 300
Vapor Pressure Not known
Specific Gravity Not known
Flash Point Not known
Flammability Limits Not determined
Solubility in water Soluble
Other Properties

Ingredients

Chemical Name	CAS Number
Piperazine-1,4-bis(ethanesulphonic acid), 1.5 Sodium	5625-37-6

HEALTH HAZARD INFORMATION

Health Effects:

Acute May be harmful by inhalation, ingestion or skin absorption. Causes eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract.

Swallowed: May cause irritation.

Eye: May cause irritation.

Skin: May cause irritation.

Inhaled: May cause irritation.

First Aid:

Swallowed: Wash out mouth with water. Seek medical help.

Eye: Immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers.

Skin: Wash continuously with soap and copious amounts of water for 15 minutes

Inhaled: Remove to fresh air. Apply artificial respiration if not breathing. If breathing is difficult give oxygen. Seek medical help.

First Aid Facilities: Eye bath, safety shower

PRECAUTIONS FOR USE

Exposure Standards: No exposure standard allocated

Engineering Controls: Fume hood required

Personal Protection: Wear appropriate NIOSH/MSHA approved respirator, chemical safety goggles, chemical resistant gloves, other protective clothing. Avoid breathing dust. Avoid contact with eyes, skin and clothing

Flammability: Not flammable under conditions of use

SAFE HANDLING INFORMATION

Storage and Transport: Keep tightly closed. Store in a cool dry place.

Spills and Disposal: Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Sweep up, place in a bag and hold for waste disposal. Disposal: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Fire/Explosion Hazard: Extinguishing media: carbon dioxide, dry chemical powder, foam, water.

Special fire fighting procedures: Wear protective clothing, respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Unusual fire and explosion hazards: Fire may produce irritating or poisonous gases.

OTHER INFORMATION

Incompatibilities

(Materials to avoid)

Strong oxidising agents.

Animal Toxicity Data: No data

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise material Safety Data Sheets as new information becomes available.