

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS NAME HEPES Free Acid
CATALOG NUMBER P-870
COMPANY IDENTIFICATION: BOSTON BIOPRODUCTS, INC
9 SHORT STREET, WORCESTER, MA 01604

SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

Cas# 1132-61-2
Mol formula C7H15NO4S

SECTION 3 - HAZARDS IDENTIFICATION

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

Irritant

SECTION 4-FIRST-AID MEASURES

AFTER INHALATION - If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
AFTER SKIN CONTACT - In case of contact, immediately wash skin with soap and copious amounts of water.
AFTER EYE CONTACT - In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
AFTER INGESTION - If swallowed, wash out mouth with water provided person is conscious. Call a physician.

SECTION 5-FIRE FIGHTING MEASURES

Water spray, dry chemical, alcohol foam, or carbon dioxide.
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.
Emit toxic fumes under fire

SECTION 6-ACCIDENTAL RELEASE MEASURES

PROCEDURE(S) OF PERSONAL PRECAUTION(S) - Exercise appropriate precautions to minimize direct contact with skin or eyes.

METHODS FOR CLEANING UP - Mop up, place in waste disposal. Wash spill site after material pickup is complete.

SECTION 7-HANDLING AND STORAGE

HANDLING - Directions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE - Conditions of Storage: Keep tightly closed.

SECTION 8-EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS - Safety shower and eye bath.

GENERAL HYGIENE MEASURES - Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT - Hand Protection: Protective gloves. Eye Protection: Chemical safety goggles.

SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES

Appearance Physical State:Solid

Melting Point 277 0C

Flash Point 110 0C

Solubility Water

pH 2.5-4.0

SECTION 10-STABILITY AND REACTIVITY

STABILITY - Stable, Materials to Avoid: Strong oxidizing and strong bases

HAZARDOUS DECOMPOSITION PRODUCTS - Hazardous Decomposition Products: No data

HAZARDOUS POLYMERIZATION – No data

SECTION 11-TOXICOLOGICAL INFORMATION

ROUTE OF EXPOSURE - Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed.

SECTION 12- ECOLOGICAL INFORMATION

No data available.

SECTION 13-DISPOSAL CONSIDERATIONS

Observe all federal, state, and local environmental regulations.

SECTION 14-TRANSPORT INFORMATION

RID/ADR - Non-hazardous for road transport.

IMDG - Non-hazardous for sea transport.

Non-hazardous for air transport.

CONTACT BOSTON BIOPRODUCTS, INC. FOR TRANSPORTATION INFORMATION.

SECTION 15- REGULATORY INFORMATION

Data not Available

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January 2007