



SAFETY DATA SHEET

ProChemOnline.com



SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Biotinamidocaproyl Hydrazide**

PRODUCT NO: B109

CAS NO: 109276-34-8

SYNONYMS: BACH, (+)-Biotin-ε-aminocaproyl hydrazide, (+)-Biotin-X-hydrazide, N-(+)-Biotinyl-6-aminohexanoic hydrazide

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Not a dangerous substance according to the GHS

HMS CLASSIFICATION:

Health: 0 Chronic: * Flammability: 0 Reactivity: 0

NFPA RATING:

Health: 0 Fire: 0 Reactivity Hazard: 0

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $C_{16}H_{29}N_5O_3S$

Molecular Weight: 371.50

CHEMICAL NAME	CAS#	%
Biotinamidocaproyl Hydrazide	109276-34-8	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Flush with plenty of water for at least 15 minutes and get medical attention.

SKIN EXPOSURE: Flush immediately with plenty of water, followed by thorough soap and water washings.

INHALATION: Remove from exposure into fresh air. Rest and keep warm. If any adverse signs appear, get medical attention.

INGESTION: Flush out mouth with water, insuring rinse is not swallowed. Give water (half pint) to drink to dilute in the stomach and get immediate medical attention.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

AUTO IGNITION TEMPERATURE: None

EXPLOSION LIMITS: None

EXTINGUISHING MEDIUM: Carbon dioxide, dry chemical powder, alcohol-resistant foam, or water spray.

SPECIAL FIRE FIGHTING PROCEDURES: If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Carbon oxides, nitrogen oxides, and sulfur oxides.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas.

ENVIRONMENTAL PRECAUTIONS: Do not let enter drains or allow to be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and place in a suitable container for proper disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear personal protective equipment. Ensure adequate ventilation.

CONDITIONS FOR SAFE STORAGE: Store in a dry and well-ventilated area. Store at temperatures 2-8° C. Store in a tightly sealed container.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Always wear approved safety glasses with side shields, safety goggles, or face shield when handling a chemical substance in the laboratory.

SKIN PROTECTION: Chemical resistant gloves.

VENTILATION: If possible, handle the material in an efficient fume hood.

RESPIRATOR: Respiratory protection is not required. Where there is large amounts use a dust mask.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: White powder

MELTING POINT: 211° C

BOILING POINT: No data available

MOLECULAR WEIGHT: 371.50

ODOR: None

SPECIFIC GRAVITY: No data available

SOLUBILITY IN WATER: No data available

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Air and moisture stable

HAZARDOUS POLYMERIZATION: No hazardous polymerization.

CONDITIONS TO AVOID: No data available

INCOMPATIBILITY: Strong oxidizing agents, light, and heat.

DECOMPOSITION PRODUCTS: Carbon oxides, nitrogen oxides, and sulfur oxides.

SECTION 11 TOXICOLOGICAL DATA

MUTAGENIC EFFECTS: No data

TETRAOGENIC EFFECTS: No data

TOXICITY DATA: No data

Gastrointestinal disturbance May cause convulsions. Stomach-irregularities-Based on Human evidence.

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

Non-hazardous material

SECTION 15 REGULATORY INFORMATION

TSCA: Listed in the TSCA Inventory

SARA 302 COMPONENTS: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA (TITLE 313): Title compound not listed

PENNSYLVANIA RIGHT TO KNOW: Biotinamidocaproyl Hydrazide

NEW JERSEY RIGHT TO KNOW: Biotinamidocaproyl Hydrazide

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 11/14

SDS DEPT.