

**MATERIAL SAFETY DATA SHEET**  
Glucosamine 5000 Powder Feed Supplement  
AHC Products, Inc.

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**PRODUCT NAME:** (As used on label and list): Glucosamine 5000 Powder Feed Supplement

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This Material Safety Data Sheet is being provided to your company, for the purpose of providing current health and safety information to your management and employees who work with this product. Please read the data provided and then provide it to those individuals at your company who have the responsibility to insure compliance with both Federal and State Right to Know regulations, and to those employees that request information on this product.

Federal Regulations: Parts 29 and 42 Code of Federal Regulations

Date Prepared: 11/16/1999

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**SECTION I – PRODUCT IDENTIFICATION**

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**MANUFACTURER:** AHC Products, Inc.

AHC Products, Inc.

301 West Broadway

Winchester, Kentucky

859/737-3441

**CHEMICAL FAMILY:** Mixture

**FORMULA:** N/A

**HAZARD CLASSIFICATION:** Non-hazardous

**HMIS RATING SYSTEM:** Health=1, Flammability=0, Reactivity=0

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**SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

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**HAZARDOUS COMPONENT (Specific Chemical Identity; Common Names):**

Glucosamine HCL: PEL/TLV: NE Percent: 19.0

The hazard communication standard requires that such mixtures be assumed to present the same health hazard as do components that constitute at least 1% of the mixture (0.1% for carcinogens) although OSHA has noted that the hazards of individual components may be altered by including them in a mixture. Some of the ingredients of this mixture are a trade secret. NE= not established.

**OTHER LIMITS RECOMMENDED:** N/A

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**SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS**

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**BOILING POINT:** N/A

**VAPOR PRESSURE (MM HG):** N/A

**VAPOR DENSITY (AIR=1):** N/A

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** N/A

**MELTING POINT:** N/A

**EVAPORATION RATE:** N/A

**SOLUBILITY IN WATER:** Soluble

**APPEARANCE AND ODOR:** light beige powder with characteristic odor.

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**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

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**FLASH POINT (METHOD USED):** N/A

**FLAMMABLE LIMITS:** Not determined

**EXTINGUISHING MEDIA:** Water, carbon dioxide or foam, Class A, BC or ABC fire extinguisher.

**SPECIAL FIRE FIGHTING PROCEDURES:** Must wear MSHA/NIOSH approved self-contained breathing apparatus and protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** none

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**SECTION V – REACTIVITY DATA**

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**STABILITY:** stable

**CONDITIONS TO AVOID:** none known

INCOMPATIBILITY (MATERIALS TO AVOID): strong reducing and oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: none known

HAZARDOUS POLYMERIZATION: will not occur

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#### SECTION VI – HEALTH HAZARD DATA

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##### EFFECTS OF OVEREXPOSURE:

EYES: May cause minor irritation.

SKIN: None expected during normal use.

INHALATION: No significant signs or symptoms indicative of any adverse health hazard.

INGESTION: No significant signs or symptoms indicative of any adverse health hazard.

##### EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Flush eyes with large amounts of water, get medical attentive if irritation persists.

SKIN CONTACT: Wash with soap and water.

INHALATION: If exposed to excessive levels remove to fresh air and get medical attention.

INGESTION: If swallowed do not induce vomiting. Give person a glass of water, get medical attention.

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#### SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Rinse area with water.

In normal use this product is suitable for entry into an ordinary sanitary sewer system.

WASTE DISPOSAL METHOD: Dispose in accordance with all local, state and federal regulations. Contaminated absorbent may be deposited in a landfill in accordance with local, state and federal regulations.

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep closures tight. Avoid exposure to excessive heat and prevent from freezing.

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#### SECTION VIII – CONTROL MEASURES

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RESPIRATORY PROTECTION (specific type): Not normally needed if local exhaust satisfactory.

VENTILATION: Provide sufficient ventilation.

PROTECTIVE GLOVES: Disposable gloves as a minimum.

EYE PROTECTION: Safety glasses, as a minimum.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: not normally needed.

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