Material Safety Data Sheet

2 Tongxin Road,Gaoyou
Jiangsu, China

Phone Calls: 86-514-84549155
8 a.m. to 5 pm EST Mon.- Fri

GLUCOSAMINE HCL Revision Date: Feb 27,2017

SECTION 1- PRODUCT AND COMPANY IDENTIFICATION

Common Name :Glucosamine HCL
Manufacturer: Yangzhou Rixing Bio-Tech Co.,Ltd
Responsible Party: QA Department
Mailing Address: 2 Tongxin Road,Gaoyou, Jiangsu, China
Phone: 86-514-84549155
Hours: 8 a.m. to 5 pm EST Mon.- Fri
Product use: Glucosamine HCL is used for healthfood and pharmaceutical company.

SECTION 2 – HAZARD INFORMATION

Adverse Effects: Adverse effects may include nausea or other gastrointestinal upset. Possible allergic reaction to material inhaled ingested, or in contact with skin.
Overdose Effects: n/f
Acute: Possible eye, skin, gastrointestinal, and /or respiratory tract irritation.
Chronic: Possible hypersensitization.
Medical Conditions Aggravated by Exposure: Hypersensitivity to material
Cross Sensitivity : n/f
Target organs: n/f
For additional information on toxicity, see Section 11

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

Common Name: Glucosamine HCL
Formula: $C_6H_{14}NO_5 \cdot HCl$
Chemical Name: 2-Amino-2-deoxy-ß-D-Glucan-Hydrochloride
CAS: 66-84-2
Chemical Family: D-glucosamine
Therapeutic Category: n/f
Composition: Pure Material

SECTION 4- FIRST AID MEASURES

Inhalation: May cause irritation. Remove to fresh air
Eye: May cause irritation. Flush with copious quantities of water
Skin: May cause irritation. Flush with copious quantities of water
Ingestion: May cause irritation. Flush out mouth with water
General First Aid Procedures: Remove from exposure. Remove from exposure. Remove contaminated clothing. Person developing serious hypersensitivity(anaphylactic) reactions must receive immediate medical attention. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Note to Physicians

Overdose Treatment: For current information about the treatment of overdose, consult a certified Regional Poison Control Center by Calling the number Listed in your local telephone directory.

SECTION 5-FIREFIGHTING MEASURES

Extinguisher Media: Water spray, dry chemical ,carbon dioxide, or foam as appropriate for surrounding fire and materials.

Fire and Explosion Hazards: This material is assumed to be combustible. As with all dry powders, it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity.

Firefighting Procedures: As with all fires, evacuate personnel to a safe area ,Firefighters should use self-contained breathing equipment and protective clothing.

SECTION 6 -ACCIDENTAL RELEASE MEASURES

Spill Response: Wear approved respiratory protection, chemically compatible gloves, and protective clothing. Wipe up spillage or collect spillage using a high –efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately labeled container for disposal. Wash spill site.

SECTION 7 – HANDLING AND STORAGE

Handling: As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and /or vapors associated with the material. Wash thoroughly after handling.

Storage: Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity. Store in desiccator.

SECTION 8- EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Engineering controls such as exhaust ventilate are recommended.

Respiratory Protection: Use a NIOSH-approved respirator, if it is determined to be necessary by an industrial hygiene survey involving air monitoring. If a respirator is not required. An approved dust mask should be used.

Gloves: Chemically compatible

Eye Protection: Safety glasses or goggles

Protective Clothing: Protect exposed skin

Exposure Limits: n/f

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Properties as indicated on the MSDS are general.

Appearance and Odor: White –yellowish powder slightly characteristic odor.

Odor Threshold: n/f

PH: 3.0-5.0(in a 1% aqueous solution)

Melting Point: n/f

Boiling Point: n/f

Flash Point: n/f

Autoignition Temperature: n/f

Evaporation Rate: n/f

Upper Flammability Limit: n/f

Lower Flammability Limit: n/f

Vapor Pressure: n/f

Vapor Density: n/f

Specific Gravity: n/f

Solubility in water: n/f

Fat solubility : n/f

Other solubility : n/f

Partition Coefficient: n-octabol/water: n/f

Percent Volatile: n/f

Reactivity in water: /f
Explosive Properties: n/f
Oxidizing Properties: n/f
Formula: $C_6H_{14}NO_5 \cdot HCl$
Molecular Weight: n/f

SECTION 10 STABILITY AND REACTIVITY

Condition to Avoid: Avoid exposure to moisture
Incompatibilities: n/f
Decomposition Products: When heated to decomposition, material emits toxic fumes of Sox and Na2o. Emits toxic fumes under fire conditions.
Stable? Yes Hazardous Polymerization? NO

SECTION 11 TOXICOLOGICAL PROPERTIES

Oral Rat: LD50:> 10 grams/kg
Oral Mouse: LD50:> 10 grams/kg
Other Toxicity Data: n/f
Irritancy Data: n/f
Corrosivity: n/f
Sensitization Data: n/f
Listed as Carcinogen by : NTP: No IARC No OSHA: No
Other Carcinogenicity Data: No
Mutagenicity Date: n/f
Reproductive and Development Effects: Injection 1 ml of 2% chondroitin in pregnant mice on day9,10 ,or 11 of gestation produced an increase in cleft palate and tail abnormalities in the offspring. Oral administration of 5000 mg/kg to pregnant mice or rabbits did not produce adverse effects in the offspring.

SECTION 12- ECOLOGICAL INFORMATION

Ecological Information: n/f

SECTION 13- DISPOSAL CONSIDERATIONS

Disposal: Dispose of waste in accordance with all applicable National, Provincial, and local laws

SECTION 14 TRANSPORT INFORMATION

Non-hazardous for air, sea and road freight.
Shipping name: Not regulated.
Transport Hazard Class: Not regulated
Packing Group: Not regulated
Environmental hazards: None. The substance is not subject to IMO IMDG Code.

SECTION 15- REGULATORY INFORMATION

China Regulatory Information: n/f
International al Regulatory Information: n/f

SECTION 16-OTHER

Revision Date: Feb 27,2017
Previous Date: Feb 27,2015