

# Material Safety Data Sheet

2 Tongxin Road, Gaoyou  
Jiangsu, China

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

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D-GLUCOSAMINE SULFATE.2KCL

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## SECTION 1- PRODUCT AND COMPANY IDENTIFICATION

Common Name D-glucosamine sulfate.2kcl  
Manufacturer: Yangzhou Rixing Bio-Tech Co.,Ltd  
Responsible Party: QA Department  
Mailing Address: 58 Wuan Road, Gaoyou, Jiangsu, China  
Phone: 86-514-4549155  
Hours: 8 a.m. to 5 pm EST Mon.- Fri  
Product use: D-glucosamine sulfate.2kcl 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

Pictogram

Signal word: warning

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation



## SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

Common Name: D-glucosamine sulfate.2kcl

Formula:  $(C_6H_{14}NO_5)_2SO_4 \cdot 2KCl$

Chemical Name: 2-Amino-2-deoxy-β-D-Glucan-Sulphate Salt-Potassium Salt

CAS: 31284-96-5

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: 5.5-7.5 ( 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:  $(C_6H_{14}NO_5)_2SO_4 \cdot 2KCl$   
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**

Shipping Name: n/f  
Class: n/f  
UN Number : n/f  
Packing Group : n/f  
Additional Transport Information: n/f

#### **SECTION 15- REGULATORY INFORMATION**

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

#### **SECTION 16-OTHER**

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