



MSDS FOR GLUCONO-DELTA-LACTONE

MATERIAL SAFETY DATA SHEET

**** SECTION 1 ****

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Creation Date: 05/01/2010

MSDS Name: GLUCONO-DELTA-LACTONE

Company: Anhui Xingzhou Medicine Food Co.,Ltd

Address: Taocheng Industrial Zone,Langxi County,Anhui,China.

Contact: Mr Ma Guojun

Tel: 0086-25-86435077

Fax: 0086-25-52102318

****SECTION 2****

COMPOSITION, INFORMATION AND INGREDIENTS

CAS#	Chemical Name	Assay	EINECS#
90-80-2	Glucono-Delta-Lactone	99%	202-016-5

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

****SECTION 3 ****

HAZARDS IDENTIFICATION

Moisture sensitive: Light

Potential Health Effect:

Eye: May cause eye irritation

Skin: May cause skin irritation

Ingestion: May cause irritation of the digestive tract

Inhalation: May cause respiratory tract irritation.

Chronic: Not available.

****SECTION 4 ****

FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15minutes, occasionally lift the upper and lower eyelids. Get medical aid.



Skin: Get medical aid, Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Don't induce vomiting, if conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, Give artificial respiration. If breathing is difficult, give oxygen, Notes to Physician

**** SECTION 5 **** FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

****SECTION 6 **** ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as Indicated
In Section 8

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

****SECTION 7 **** HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place. Keep container closed when not in use. storage temperature: below 25 degree centigrade

****SECTION 8 **** EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment:

Eyes: Wear safety glasses and chemical goggles if splashing is possible

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize Contact with skin.

Respirators: Wear a NIOSH/MSHA or European Standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions.



**** SECTION 9 ****

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Powder
Appearance	white to off-white
Odor	Not available
PH	Not available
Vapor Pressure	Not available
Viscosity	Not available
Boiling Point	Not available
Freezing/Melting Point	151.00-155.00 deg C
Autoignition Temperature	Not available
Flash Point	Not available
Explosion Limits, lower	Not available
Explosion Limits, upper	Not available
Decomposition Temperature	153°C
Solubility in water	59 g/100 ml water
Specific Gravity/Density	1.3g/cm ³
Molecular Formula	C ₆ H ₁₀ O ₆
Molecular Weight	178.14

**** SECTION 10 ****

STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, light, exposure to moist air or water.

Incompatibilities with Other Materials: Strong oxidizing agents, strong bases.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

**** SECTION 11 ****

TOXICOLOGICAL INFORMATION

RTECS#: CAS# 90-80-2: LZ5184000

LD50/LC50: Not available.

Carcinogenicity: GLUCONO DELTA LACTONE-Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

**** SECTION 12 ****



ECOLOGICAL INFORMATION

**** SECTION 13 ****

DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

**** SECTION 14 ****

TRANSPORT INFORMATION

IATA: Not regulated as a hazardous material.

IMO: Not regulated as a hazardous material.

RID/ADR: Not regulated as a hazardous material.

**** SECTION 15 ****

REGULATORY INFORMATION

European/International Regulations: European labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases: Not available

Safety Phrases: S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 90-80-2:0

United Kingdom Occupational Exposure Limits

**** SECTION 16 ****

ADDITIONAL INFORMATION

MSDS Creation Date: 05/01/2010 Revision #0 Date: Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.
