

# Material Safety Data Sheet

## PART 1 PRODUCT AND COMPANY INFORMATION

**Product Name:** Edible Gelatin

**Manufacturer:** Shanghai Al-amin Biotech Co.,Ltd.

**Address:** Building 11, No.3389,Kangxin Road,Pudong,Shanghai,201321,China

[Tel:86-21-50798345](tel:86-21-50798345)

**CAS:** 9000-70-8

Gelatin is a natural protein, amino acids formed by the complex molecular structure. The general is white or pale-yellow translucent luster of a solid, particles or films was in powder form. Soluble in hot water, glycerol, acetic acid, salicylic acid ,terephthalic acid, urea, thiourea, thiocyanate, such as potassium bromide solution, insoluble in ether, ethyl alcohol, chloroform and other organic solvents. Yi-absorbent soft, almost odorless, and tasteless.

## PART 2 PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Odorless, colorless or light yellow, half-transparent, hard amorphous particle or powder

### Solubility in Water

It will expand by absorbing water in cold water, easily soluble in hot water.

**Density** 0.68g/cm<sup>3</sup> (20°C)

**Boiling Point** 100

**Viscosity (mPa\*s)**      1.5-6.0

**Ph:**                              4-7

### **PART 3      FIRST AID MEASURES**

#### **Ingestion**

Immediately clean your mouth with warm water and then drink water to dilute the substance you took in.

#### **Skin**

Clean your skin with warm water completely, and change the polluted clothes.

#### **Eyes**

Immediately flush eyes with warm water, if still uncomfortable with your eyes, please see a doctor soon.

#### **After Ingestion**

Rinse mouth and throat thoroughly with water .

### **PART 5 HAZARDS INDENTIFICATION**

The gelatin is from bovine skin or bone, easily soluble in warm water, and can be used in food and pharmacy industry, so it doesn't belong to hazardous products, but it must be used according to good hygienic conditions and safe processing rules,

## **PART 6 EXPOSURE CONTROLS/ PERSONAL PROTECTION**

Water dustproof mask when processing to avoid the dust entering respiratory tract, proper ventilation to keep the air concentration low.

## **PART 7 FIRE FIGHTING MEASURE**

Suitable fire extinguishment methods: Foam fire extinguisher , dry powder fire extinguisher, water.

## **PART 8 ACCIDENTAL RELEASE MEASURES**

Store the product under seal after collection, flush the remaining part with mild water, and put it in the wastewater treatment system. Avoid splashing and high pressure washing.

## **PART 9 STABILITY AND REACTIVITY**

### **Stability**

The material is stable under normal temperature and pressure.

### **Incompatibilities**

None.

### **Decomposition**

Carbon monoxide, oxides of nitrogen, carbon dioxide.

## PART 10 TOXICOLIGCAL INFORMATION

LD50>5000mg/kg, belongs to real non-toxic products.

**Irritation Potential:** Non-irritant to eye and skin.

**Sensitization Potential:** Not a skin sensitizer.

**Mutagenic Potential:** No mutagenic activity.

**Acute oral Toxicity:** Not tested, but the substance is non-cytotoxic in vitro cellular model.

## PART 11 ECOLOGICAL INFORMATION

**Ecological Toxicological Toxicity** None

**Biodegradation** Easy to degradate

**Biological Enrichment or biological accumulation** None

**Other Harmful Effects** None

## PART 12 OTHER INFORMATION

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