

# Material Safety Data

## Section 1 PRODUCT AND COMPANY IDENTIFICATION

Product name: Sodium Hyaluronate

Synonym: Hyaluronic acid, sodium salt

MSDS Name: Sodium Hyaluronate

CAS: 9067-32-7

Formula: (C<sub>14</sub>H<sub>21</sub>NO<sub>11</sub>)<sub>n</sub>

Recommended use: Used as food additive, cosmetic additive and pharmaceutical additive etc.

Manufacture: Qufu Liyang Biochem Industrial Co., Ltd.

Add: Industrial Area, Shimenshan Town, Qufu City, Shandong, China

TEL: 0537-4433499

E-mail Address: info@lybiochem.com

## Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
9067-32-7	Sodium Hyaluronate	≥98.0%	232-678-0

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

## Section 3 - HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

The toxicological properties of this material have not been fully investigated.

## Potential Health Effects

Eye: No information regarding eye irritation and other potential effects was found.

Skin: No information regarding skin irritation and other potential effects was found.

Ingestion: The toxicological properties of this substance have not been fully investigated.

Inhalation: The toxicological properties of this substance have not been fully investigated. Inhalation of dust may cause respiratory tract irritation.

Chronic: No information found.

## **Section 4 - FIRST AID MEASURES**

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

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

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Get medical aid immediately. Remove from exposure and move 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.

Extinguishing Media: Use agent most appropriate to extinguish fire.

## **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. Use only in a well-ventilated area.

Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place. Store in a tightly closed container.

## **Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

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

Exposure Limits CAS# 9067-32-7: Personal Protective Equipment Eyes

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or

European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## **Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Solid

Color: white

Odor: Not available.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: Not available.

Autoignition Temperature: Not available.

Flash Point: Not available.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: Solubility in water: soluble in water

Specific Gravity/Density: 0.10-0.60g/cm<sup>3</sup>

Molecular Formula: (C<sub>14</sub>H<sub>20</sub>NO<sub>11</sub>Na)<sub>n</sub>

## Section 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable.

Conditions to Avoid: Not available.

Incompatibilities with Other Materials: Not available.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, sodium oxide.

Hazardous Polymerization: Has not been reported.

## Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 9067-32-7: MT7250000 LD50/LC50:

CAS# 9067-32-7: Oral, mouse: LD50 = >2400 mg/kg; Oral, rabbit: LD50 = >1 gm/kg; Oral, rat: LD50 = >800 mg/kg.

Carcinogenicity: Sodium Hyaluronate - Not listed by ACGIH, IARC, or NTP.

Other: See actual entry in RTECS for complete information.

## **Section 12 - ECOLOGICAL INFORMATION**

Not available.

## **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.

IATA Dangerous Goods Regulation(DGR) 55th Edition 2014: NO.NONE / NOT REGULATED

This product is not classified as dangerous under the relevant EU directives and DOT regulations.

Thus it is not hazardous under transport regulations.

## **Section 15 - REGULATORY INFORMATION**

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 9067-32-7: No information available.

Canada

CAS# 9067-32-7 is listed on Canada's DSL List.

CAS# 9067-32-7 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 9067-32-7 is not listed on the TSCA inventory.

It is for research and development use only.

## SECTION 16-OTHER

Not available.

