



MATERIAL SAFETY DATA SHEET

Sodium Hyaluronate

1. **CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Supplier: McKinley Resources, Inc.
P.O. Box 810472
Dallas, Texas 75381

Phone number: 972-620-9730
Fax number: 972-421-1860

CAS No.: 9067-32-7
INCI Name: Sodium hyaluronate
Molecular Formula: $(C_{14}H_{20}NO_{11}Na)_n$

2. **HAZARDS IDENTIFICATION**

No particular hazards to human and environmental.

3. **COMPOSITION / INFORMATION ON INGREDIENTS**

COMPONENT	CAS No.	%
Sodium hyaluronate	9067-32-7	95-105%

4. **FIRST AID PROCEDURES**

4.1 GENERAL INFORMATION

No particular precautions necessary.

4.2 EYE CONTACT

Do not cause irritation.

4.3 SKIN CONTACT

No particular precautions necessary.

4.4 INHALATION

No particular precautions necessary.

4.5 INJECTION

No particular precautions necessary.

5. **FIRE-FIGHTING MEASURES**

5.1 EXTINGUISHING MEDIA

Water, foam, CO₂

5.2 SPECIAL FIRE -FIGHTING PROCEDURES

None

5.3 UNUSUAL FIRE AND EXPLOSION HAZARDS

None

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6. ACCIDENTAL RELEASE MEASURES

6.1 STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Sweep or Vacuum. Note that an extreme slip hazard can develop if material spilled on the floor becomes wet.

6.2 WASTE DISPOSAL METHOD

Handle as none-hazardous material.

7. HANDLING AND STORAGE

7.1 HANDLING

No particular precautions necessary.

7.2 STORAGE

Store in cool (2-10°C), dry place protected from light.

8. PRECAUTION FOR SAFE USE

8.1 RESPIRATORY PROTECTION

A dust respirator should be worn if dust becomes annoying.

8.2 VENTILATION

Local exhaust: sufficient to remove airborne dust if handling results in dust generation.

8.3 PROTECTIVE GLOVES

Not necessary.

8.4 EYE PROTECTION

Not necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE

White powder almost taste-less and odor-less.

9.2 SOLUBILITY

Soluble in water forming a viscous solution.

9.3 BOILING POINT

None volatile.

9.4 FLASH POINT

None.

9.5 MELTING POINT

None.

9.6 FLAMMABILITY:

None.

9.7 EXPLOSIVE CHARACTERISTICS

None.

10. STABILITY AND REACTIVITY

10.1 CONDITIONS TO AVOID

High temperature and a high level of humidity.

10.2 MATERIAL TO AVOID

Strong oxidizing agents.

10.3 HAZARDOUS POLYMERIZATION

Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY

LD₅₀>5000mg/kg(mice)

12. ECOLOGICAL INFORMATION

BIOLOGICAL DECOMPOSITION

It is biodegradable.

13. DISPOSAL CONSIDERATION

Waste material disposal under observation of national or regional law.

14. TRANSPORT INFORMATION

It is not a hazard product.

No special measures have to be observe by transportation.

15. REGULATORY INFORMATION

Mandatory labeling of hazardous preparation: Not necessary

The regulatory information given in this document only indicates regulations applicable to the product described in the Safety Data Sheet.

16. FURTHER INFORMATION

The above mentioned information is based on the actual state of knowledge and does not involve any guaranty of attribute. Existing law and regulation have to be observed in own responsibility of the buyer of our product.