



Material Safety Data Sheet

HYALURONIC ACID

Section 1 - Identification of the material and supplier

1.1 Product identifier

Product name Hyaluronic acid
CAS No. 9067-32-7

1.2 Details of the supplier of the safety data sheet

Supplier: Cedar Trends & Innovation
Address: #401 – Gayatri Enclave, Friends Colony, Katol Road Nagpur –40013 Maharashtra - INDIA
Telephone: +917123578034
E-Mail: sales@cedartrends.com

Section 2 - Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP].

This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

Hazard statement(s)

This substance is not classified as dangerous according to Directive 67/548/EEC.

Precautionary statement(s)

Not available.

2.3 Other hazards - none

Section 3 - Composition/information on ingredients

3.1 Substances

Synonyms: Poly(β -glucuronic acid-[1 \rightarrow 3]- β -N-acetylglucosamine-[1 \rightarrow 4]), alternating

Formula ($C_{14}H_{20}NNaO_{11}$)_n

Component	Concentration
Sodium Hyaluronate	≥95%
CAS-No.	9067-32-7
EINECS-No.	618-620-0

3.2 Mixtures

Not Relevant

4.1 Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Main symptoms and effects, acute and delayed effects

To the best of our knowledge, this chemical, physical and toxic nature has not been fully investigated.

4.3 Instructions and instructions for timely medical treatment and special treatment required

no data available

Section 5 - Firefighting Measures

5.1 Extinguishing media/ Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Combustion forms carbon oxides, namely carbon dioxide and carbon monoxide.

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

Section 6 - Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

When the product leaks, collect spills and clean it to restore the environment. Collect and treat the collected leaks as general waste.

6.3 Methods and materials for containment and cleaning up

Adsorbed with sand or other non-combustible adsorbent, collected in a container and processed.

6.4 Reference to other sections

For disposal see section 13.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature is 2-10°C

Section 8 - Exposure Controls / Personal Protection

8.1 Allowable concentration

Maximum allowable concentration: no data available

8.2 Exposure controls/Appropriate engineering controls

General industrial hygiene practice.

8.3 Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9 - Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	white or almost white very hygroscopic
Odour Threshold	no data available
pH	5.0-8.5
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available

Relative density no data available

Water solubility Soluble in water

9.2 Other safety information

no data available

Section 10 - Stability and Reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

Stable under normal storage and operating conditions at room temperature or in a closed container.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

Avoid exposure to sunlight, avoid contact with open flames and high heat; do not store in the same place as toxic, harmful, odorous, volatile, and corrosive items.

10.5 Incompatible materials

Avoid mixing with substances that are prone to decomposition and denaturation, such as strong oxidizing agents, strong reducing agents, cationic surfactants, strong acids, and strong alkalis.

10.6 Hazardous decomposition products

Other decomposition products - no data available.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

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

11.2 Acute toxicity

no data available

11.3 Skin corrosion/irritation

no skin corrosion/irritation

11.4 Serious eye damage/eye irritation

no data available

11.5 Respiratory or skin sensitization

no data available

11.6 Germ cell mutagenicity

no data available

11.7 Carcinogenicity

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

11.8 Reproductive toxicity

no data available

11.9 Specific target organ toxicity - single exposure

no data available

11.10 Aspiration hazard

Section 12 - Ecological Information

- 12.1 Toxicity**
no data available
- 12.2 Persistence and degradability**
no data available
- 12.3 Bioaccumulative potential**
no data available
- 12.4 Mobility in soil**
no data available
- 12.5 Results of PBT and vPvB assessment**
no data available
- 12.6 Other adverse effects**
no data available

Section 13 - Disposal Considerations

- 13.1 Nature of waste**
Industrial waste: yes; hazardous waste: not
- 13.2 Waste disposal methods**
No special treatment, incineration or burial as required.
- 13.3 Waste disposal precautions**
According to local and national regulations, the specific treatment methods can be consulted with the local environmental protection department.

Section 14 - Transport Information

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

Section 15 - Regulatory Information

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

15.2 Chemical Safety Assessment

no data available

Section 16 - Other Information

Further information:

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

- End of Safety Data Sheet-

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