

Nano Tech Chemical Brothers Pvt. Ltd.

MATERIAL SAFETY DATA SHEET

1. Identification:

Product identifier: Hyaluronic Acid
INCI name: Sodium Hyaluronate
Recommended use: cosmetics Industry formulations
Industrial sector: Chemical Industry
Company Name: Nano Tech Chemical Brothers Pvt. Ltd.
Address: Vill. Mangarh, P.O. Kohara, Chandigarh Road Ludhiana-141112 INDIA
Mobile No.: 9041060304

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Material Safety Data Sheet

2. Section 1 - Identification of the material and supplier

1.1 Product identifier
Product name Sodium Hyaluronate
CAS No. 9067-32-7
1.2 Details of the supplier of the safety data sheet
Manufacturer: Shandong Focusfreda Biotech Co., Ltd
Address: Add:New Economic Development Zone of High
Speed Rail,Qufu,Jining ,Shandong,China
Telephone: 400 090 5566
Fax: +86 537 3195599
E-Mail: sales@focusfreda.com
1.3 Emergency telephone number
Emergency response service: 400 090 5566

3. Section 2 - Hazards identification

2.1 Classification of the substance or mixture

4. 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 GHS label elements, including precautionary statements
Pictogram (s) : No symbol
Signal word:No signal word

5. Hazard statement(s):none

Precautionary statement(s)

Prevention:none

Response:none

6. Storage:none

7. Disposal:none

8. 2.3 Other hazards - none

9. Section 3 - Composition/information on ingredients

3.1 Substances

Synonyms: Poly(B-glucuronic acid-[1->3]-B-N-acetylglucosamine-[1->4]), alternating

Formula (C₁₅H₂₀NNaO₁₁)

Component Concentration

Sodium Hyaluronate =95%

CAS-No. 9067-32-7

EINECS-No. 618-620-0

3.2 Mixtures

Not Relevant

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10. Section 4 -First-aid measures

11. 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 soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

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

4.2 Main symptoms and effects, acute and delayed effects

12. 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

13. Section 5 - Firefighting Measures

5.1 Extinguishing media/ Suitable extinguishing media

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

14. 5.2 Special hazards arising from the substance or mixture

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

15. 5.3 Advice for firefighters

16. Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information
no data available

17. 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

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

18. 6.4 Reference to other sections

19. For disposal see section 13.

20. Section 7 - Handling and Storage

21. 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

22. 7.2 Conditions for safe storage, including any incompatibilities

Mr<1.40MDa: Store in tight, light-resistant, cool and dark place

Mr>>1.40MDa: Store in tight, light-resistant place, the temperature is below 10°C

7.3 Specific end uses

no data available

23. Section 8 - Exposure Controls / Personal Protection

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8.1 Allowable concentration

Maximum allowable concentration: no data available

24. 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).

25. Section 9 - Physical and chemical properties

26. 9.1 Information on basic physical and chemical properties

white or almost white

Appearance

very hygroscopic

Odour Threshold

pH

Melting point/freezing point

Initial boiling point and boiling range

Flash point

Evaporation rate

Flammability (solid, gas)

Upper/lower flammability or explosive limits

Vapour pressure

Vapour density

Relative density

Water solubility

9.2 Other safety information

no data available

no data available

5.0~8.5

no data available

no data available

no data available

no data available

no data available
no data available
no data available
no data available
no data available

Soluble in water

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27. Section 10 - Stability and Reactivity

10.1 Reactivity

no data available

28. 10.2 Chemical stability

29. It is stable under normal storage and operating conditions such as room temperature or airtight containers, and

is easily degraded into small molecules under high temperature, acidic or alkaline environments.

30. 10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

31. 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

32. 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.

33. 10.6 Hazardous decomposition products

34. Other decomposition products - no data available.

35. Section 11 - Toxicological Information

36. 11.1 Information on toxicological effects

No acute toxicity
11.2 Skin irritation or corrosion
No skin irritation or corrosion
11.3 Eye irritation or corrosion
No eye irritation
11.4 Respiratory tract or skin allergies
No skin sensitization, may be uncomfortable if inhaled
11.5 Germ cell mutagenicity
No germ cell toxicity
11.6 Carcinogenicity
Not carcinogenic.
11.7 Reproductive toxicity
No reproductive toxicity

37. 11.8 Specific target organ toxicity - single exposure

no data available

38. 11.9 Aspiration hazard

The product is highly hygroscopic and may cause respiratory discomfort

11.10 Additional Information

RTECS: Not available

39. Section 12 - Ecological Information

12.1 Toxicity

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40. No ecological toxicity, degradable in nature

12.2 Persistence and degradability

Can be degraded and decomposed by microorganisms

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

41. Section 13 - Disposal Considerations

13.1 Nature of waste

42. Industrial waste: yes; hazardous waste: not

43. 13.2 Waste disposal methods

No special treatment, incineration or burial as required.

44. 13.3 Waste disposal precautions

According to local and national regulations, the specific treatment methods can be consulted with the local environmental protection department.

45. 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

46. 14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

47. 14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

no data available

48. 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

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no data available

49. 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 Material Safety Data Sheet-

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3. Composition/Information on Ingredients:

Substances: This product is a mixture.

Description: Mixture of the substances listed below with non hazardous addition.

Product Name	CAS No	EINECS No.	Concentration
Sodium Hyaluronate	9067-32-7	168-620-0	≥95%

4. First aid measures

Supply fresh air; consult doctor in case of complaint. In case of skin contact, flush with plenty of water.

5. Firefighting measures

Suitable extinguishing media: foam, carbon dioxide, dry powder, water spray.

6. Accidental release measures

Ensure adequate ventilation. Avoid contact with skin and eyes.

7. Handling and storage

Store in a cool, dry and well-ventilated place away from strong oxidants.

8. Exposure controls

Use appropriate personal protective equipment.

9. Physical and chemical properties

Form: Powder, Colour: White, pH: