

Material Safety Data Sheet

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: Formulator Shop Ltd
Address: 19 Aderibigbe Street, Ikate, Surulere, Lagos.
NG
E-Mail: info@theformulatorshop.com
Website: Phone: +234 916 641 5213

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 GHS label elements, including precautionary statements

Pictogram (s) : No symbol
Signal word: No signal word
Hazard statement(s): none
Precautionary statement(s)
Prevention: none
Response: none
Storage: none
Disposal: none

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	$\geq 95\%$
CAS-No.	9067-32-7
EINECS-No.	618-620-0

3.2 Mixtures

Not Relevant

Section 4 - First-aid measures

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

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

$M_r \leq 1.40$ MDa: Store in tight, light-resistant, cool and dark place $M_r > 1.40$ MDa:

Store in tight, light-resistant place, the temperature is below 10°C

7.3 Specific end uses

no data available

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

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.

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

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

11.8 Specific target organ toxicity - single exposure

no data available

11.9 Aspiration hazard

The product is highly hygroscopic and may cause respiratory discomfort

11.10 Additional Information

RTECS: Not available

Section 12 - Ecological Information

12.1 Toxicity

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

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

no data available

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 Material Safety Data Sheet-
