

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Hyaluronic Acid, HMW

1. Identification of the substance/mixture and company

Trade name: Pure Hyaluronic Acid, HMW
Active ingredient
Chemical name: Poly(β -glucuronic acid-[1 $\rightarrow$ 3]- β -N-acetylglucosamine-[1 $\rightarrow$ 4]), alternating
Chemical formula: (C₁₄H₂₀NO₁₁Na)_n
INCI: Sodium hyaluronate
CAS No. : 9067-32-7
EINECS/EC No. : 232-678-0
REACH pre-registration No. : -
Utilization: Raw material for cosmetic or professional use
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

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

3. Declaration of ingredients

3.1 Substances

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

Formula: (C₁₄H₂₀NNaO₁₁)_n

Component Concentration: Sodium Hyaluronate $\geq$ 95%

CAS-No.

9067-32-7

EINECS-No.

232-678-0

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Hyaluronic Acid, HMW

3.2 Mixtures Not Relevant

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 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

5. Fire fighting 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

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.

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Hyaluronic Acid, HMW

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 : 2-10°C

7.3 Specific end uses

no data available

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).

9. Physical and chemical properties

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Hyaluronic Acid, HMW

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

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.

11. Toxicological information

11.1 Information on toxicological effects

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

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Hyaluronic Acid, HMW

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
no data available

11.11 Additional Information
RTECS: Not available

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

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Hyaluronic Acid, HMW

12.5 Results of PBT and vPvB assessment
no data available

12.6 Other adverse effects
no data available

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.

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

15. Regulatory information

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Hyaluronic Acid, HMW

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

16. Additional information

16.1 Abbreviations

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
LTE: Long-term exposure.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE: Short-term exposure.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.