

Safety Data Sheet

acc. To OSHA HCS

Reviewed on 30 JUN 2025

Printing date 30 JUN 2025

Trade Name: Sodium Hyaluronate ULMW

1 Identification

1.1 Product identifier

Trade name: Sodium Hyaluronate ULMW

Product Code: C6008

Application of the substance / the mixture: Pharma Excipient

1.2 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SpecializedRx Products, LLC

3787 95th Ave NE Suite 100

Circle Pines, MN 55014 USA

www.specializedrx.com

sales@specializedrx.com

Information department:

Tel.: 1-888-512-1209

Fax: 1-612-424-8481

1.3 Emergency telephone number:

Emergency Telephone:

US: 1-888-512-1209

International: 1-888-512-1209

2 Hazard(s) 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

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3 Composition/information on ingredients

3.1 Chemical Characterization: N/A

Description: N/A

Dangerous components: N/A

3.2 Chemical Information:

Chemical Name: Sodium Hyaluronate

Botanical Name: Not applicable

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

Chemical Formula: (C₁₄H₂₀NNaO₁₁)_n

CAS Number: 9067-32-7

Alternate CAS Number: Not applicable

Molecular Weight: ULMW

3.3 Composition:

Chemical Name	CAS Number	% By Weight
Sodium Hyaluronate	9067-32-7	≥95%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as health hazards and hence require reporting in this section.

4 First-aid measures

4.1 Description of first aid measures

After inhalation: Supply fresh air; if not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

After skin contact: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

After eye contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper/lower eyelids while flushing. If irritation develops, get medical aid.

After swallowing: If victim is conscious and alert, provide with water to rinse mouth. Get medical aid.

Note to physician: Treat symptomatically and supportively.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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5 Fire-fighting measures

Fire Fighting Instructions:

AS IN ANY FIRE, WEAR A SELF-CONTAINED BREATHING APPARATUS IN PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR. FLAMMABLE LIQUID AND VAPOR.

Flammable Properties and Hazards:

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

Autoignition Pt: Not applicable

Explosive Limits: LEL: Not determined UEL: Not determined

Suitable Extinguishing Media:

USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid breathing vapors, mist or gas. Use proper personal protective equipment as indicated in Section 8.

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 material 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

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Protective Action Criteria for Chemicals

PAC-1: None of the ingredients is listed.

PAC-2: None of the ingredients is listed.

PAC-3: None of the ingredients is listed.

7 Handling and storage

7.1 Precautions for safe handling:

Wash thoroughly after handling. Remove contaminated clothing; wash before reuse. Use material with adequate ventilation; minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Avoid ingestion/inhalation.

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7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature is 2-10°C

7.3 Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems:

Exposure Limits, Particulates: If used under conditions that generate particulates, the ACGIH TLV-TWA of 3 mg/m³ (10 mg/m³ total) should be observed. There are not OSHA Vacated PELs listed for this chemical.

Respiratory Equipment (Specify Type):

A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS OR EUROPEAN STANDARD EN 149 MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT RESPIRATOR USE.

Eye Protection:

USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU).

Protective Gloves: WEAR CHEMICAL-RESISTANT GLOVES TO PREVENT SKIN EXPOSURE.

Other Protective Clothing: WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE.

Engineering Controls (Ventilation etc.):

USE UNDER ADEQUATE VENTILATION TO KEEP AIRBORNE CONCENTRATIONS LOW.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance: White or almost white, very hygroscopic powder or fibrous aggregate

Form: Solid/powder

Color: White to off-white

Odor: No data available

pH-value: 5.0 – 8.5

Melting point/Melting range: Not applicable

Boiling point/Boiling range: Not determined

Flash point: Not determined.

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Not determined

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Decomposition temperature: Not determined.

Auto igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapor pressure: Not determined.

Specific gravity: Not determined.

Density: Not determined.

Relative density: Not determined.

Vapor density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with Water: Soluble in water.

Partition coefficient (n-octanol/water): Not determined.

Viscosity: Not determined.

Dynamic: Not determined.

Kinematic: Not determined.

9.2 Other information: No further relevant information available.

10 Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

Stable in normal storage and operation conditions at room temperature or closed container, easy to degrade into small molecules in high temperature, acidic or alkaline environment.

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

Information on toxicological effects

11.1 Acute toxicity

no acute toxicity

11.2 Skin corrosion/irritation

no skin corrosion/irritation

11.3 Eye irritation or corrosion

no eye stimulation

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11.4 Respiratory or skin sensitization

no skin sensitization, may be uncomfortable by inhalation

11.5 Germ cell mutagenicity

no germ cell toxicity

11.6 Carcinogenicity

no carcinogenicity.

11.7 Reproductive toxicity

no reproductive toxicity

11.8 Specific target organ toxicity - single exposure

no data available

11.9 Aspiration hazard

The product has strong hygroscopicity and may cause respiratory discomfort

11.10 Additional Information

Chemical toxicity: No data available

Carcinogenic categories

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

12 Ecological information

12.1 Toxicity

Aquatic toxicity: No information available.

12.2 Persistence and degradability: Can be degraded and decomposed by microorganisms.

12.3 Bioaccumulative potential: No information available.

12.4 Mobility in soil: No information available.

Additional ecological information:

General notes: None

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects: No information 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.

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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

DOT, ADR, ADN, IMDG, IATA

Not Regulated

14.2 UN proper shipping name

DOT, ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA

Class

Not Regulated

14.4 Packing group

DOT, ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

UN "Model Regulation":

Void

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

16 Other information

This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. However, the information is provided without any representation or warranty, expressed or implied regarding its accuracy or correctness. The Company cannot assume responsibility for adverse events which may occur in the use and/or misuse of this product and expressly disclaims liability for loss, damage and/or expense arising out of or in any way connected with the handling, storage, use and/or disposal of this product.

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Department issuing SDS:

SpecializedRx Products, LLC

Quality Assurance

Contact: sales@specializedrx.com

Date of preparation / last revision: 30 JUN 2025/ NOT APPLICABLE

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit