

MATERIAL SAFETY DATA SHEET

Sodium Hyaluronate MW 1%

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Identification of the substance

Trade name: Sodium Hyaluronate MW 1%

Trade code: R.PC.PR.HYAL.0900

1.2 Relevant identified uses of the substance/mixture and uses advised against
Active ingredients for cosmetic products.

1.3 Details of the supplier of the safety data sheet

Company:

ROELMI HPC SRL Legal office: Corso Europa, 60 - 20020 Solaro (MI) Italy

T. +39 02 3351 0150

F. +39 02 3354 9210

Competent person responsible for the safety data sheet:

Info.msds@roelmihpc.com

1.4 Emergency telephone number

T. +39 02 3351 0150

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP): The substance should not be considered as dangerous.
Adverse physicochemical, human health and environmental effects: No other hazard

2.2 Label elements

The substance should not be considered as dangerous accordingly to EC regulation criteria 1272/2008 (CLP)

Symbols: None

Warning: None

Hazard Statements: None

Precautionary Statements: None

Special Provisions: None

2.3 Other hazards

Other Hazards: No other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

N.A.

3.2 Mixtures

EU INCI name	US INCI name	CAS n.	EC n.	RANGE
Sodium Hyaluronate	Sodium Hyaluronate	9067-32-7	---- (polymer)	1%
Aqua	Water	7732-18-5	231-791-2	94%
Pentylene glycol	Pentylene glycol	5343-92-0	226-285-3	4.5%

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Sodium benzoate	Sodium benzoate	532-32-1	208-534-8	0.5%
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4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Swallow immediately with plenty of water or milk. It is raccomandabile to consult immediately a physician

In case of Inhalation:

The product is not dangerous.

4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed

Treatment:

None

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2 Special hazards arising from the substance or mixture

Heated till ignition, the product tends to burn without flame. Auto-ignition temperature \pm 200°C

5.3 Advice for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Any particular measure is required. Use glasses and protective gloves.

See protective measures under point 7 and 8.

6.2 Environmental precautions

The product is considered non hazardous for the environment

6.3 Methods and material for containment and cleaning up

Wash with plenty of water.

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7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

It is recommended to wear suitable gloves and protective glasses when the product is handled.
Ventilate very well the room in case of powdery cloud. Use an anti-particulate respirator in case of excess to the TLV or in case of irritation caused by the powder.

7.2 Conditions for safe storage, including any incompatibilities

Fire protection: Keep it away from ignition sources.

Conservation: Keep the containers tightly closed, in a cool and dry space, protected from light.

7.3 Specific end use(s)

None in particular

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

None.

8.2 Exposure controls

Eye protection:

Safety glasses.

Protection for hands:

Protective gloves.

Respiratory protection:

Use the protective suitable mask for powders in case of powdery cloud.

Thermal Hazards:

None

Environmental exposure controls:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: clear to slight opalescent viscous solution

Colour: Colorless to pale yellow

Odour: Characteristic

Safety relevant data

pH: 4.0 – 6.0

Density : Not available

Solubility: Soluble in water, insoluble in lipids

Flash Point: Not available

Residue of ignition: Not available

Auto-ignition temperature: About 200°C

Combustive Properties: Not available

Explosive Properties: Not available

Vapour tension: Not available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions

10.2 Chemical stability

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- Stable under normal conditions
- 10.3 Possibility of hazardous reactions
None
- 10.4 Conditions to avoid:
Heating or storage at high temperature.
- 10.5 Substance to avoid:
Strong oxidative agents.
- 10.6 Hazardous decomposition products:
None.

11. TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity

Eye irritation :	non irritant
Skin irritation :	primary Skin irritation Index- 0-4
Eye irritation (rabbit):	non irritant (Draize)
Photo-toxicity:	non photo-toxic
Skin sensitization:	non sensitizing
Photosensitization:	non sensitizing
Mutagenesis:	revision Sudy with bacteria - any mutagenic effect. DNA Repair Study with Bacteria – any potential damage to DNA.
Oral Toxicity	LD50 (rat) > 0.4 g/Kg LD50 (mice) > 5,000 mg/kg Information on toxicological effects: .

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Adopt good working practices, so that the product is not released into the environment.
N.A.

12.2 Persistence and degradability

N.A.

12.3 Bioaccumulative potential

N.A.

12.4 Mobility in soil

N.A.

12.5 Results of PBT and vPvB assessment

None

12.6 Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

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Land Transport

GGVS/GGVE: non regulated

ADR/RID: non regulated

Maritime Transport

ADN/ADNR: non regulated

EMS Number: non regulated

Air Transport

ICAO/IATA category: non regulated

ONU/ID Number: non regulated

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n. 1272/2008 (CLP) and following amendments, Regulation (EU) n. 2015/830.

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

15.2 Chemical Safety Assessment

No

16. OTHER INFORMATION

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

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.

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EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
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.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.