



Material Safety Data Sheet Hyaluronic Acid Na-Salt

according to EC Directive 1907/2006 (REACH)

Section 1 - Identification of Substance

freely adapted by GfN from original MSDS by Contipro Biotech; 01/12/2011

| | |
|---|---|
| Product/Chemical Name: | Hyaluronic acid, sodium salt, powder |
| Application of the substance/ the preparation: | Chemical for use in cosmetics |
| Supplier: | GfN, Herstellung von Naturextrakten GmbH Straßburg 16 69483 Wald-Michelbach / Germany info@gfn-selco.de Tel. +49 6207 922 80 www.gfn-selco.de Fax +49 6207 922 810 |
| Manufacturer: | Contipro Biotech s.r.o., Dolní Dobrouč 401, 561 02 Dolní Dobrouč, Czech Republic Tel.: +420 465 520 035 |
| Emergency information: | Beratungsstelle für Vergiftungserscheinungen Mainz Tel. +49 6131 192 40 or 232 466 Fax: +49 6131 232 469 GfN Emergency phone number: Tel. +49 179 506 151 9 |

Section 2 - Hazards Identification

| | |
|---|--|
| Classification of the substance: | Not classified according to the Regulation (EC) No. 1272/2008. |
| Label Elements: | Not relevant. |
| Other hazards: | None. |
| | Not identified as PBT or vPvP according to the Annex XIII of the Regulation (EC) No. 1907/2006 as amended. |

Section 3 - Composition / Data on components

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| Substances: | Hyaluronic acid, sodium salt (polysaccharides) |
| INCI Name: | Sodium Hyaluronate |
| CAS-No.: | 9067-32-7 |
| EINECS-No.: | -/- |
| Mixtures: | Not applicable. |



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Section 4 - First Aid Measures

Description of first aid measures:

Inhalation: If breathed in, move person to fresh air. Seek medical attention.

Skin contact: After contact with skin wash with water and soap.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water.

Ingestion: Seek medical attention in case of any sickness.

Most important symptoms and effects: No adverse effects supposed when contact with skin, eyes or mucous membranes.

Identification of any immediate medical attention and special treatment needed: Not applicable.

Section 5 - Fire-Fighting Measures

Extinguishing media: Water foam, water spray, dry chemicals, carbon dioxide

Special hazards arising from the mixture: Combustion products includes CO, CO₂

Advice for firefighters: Gas mask (CO)

Section 6 - Accidental Release Measures

Personal precautions: Avoid from contact with skin/eyes.

Environmental precautions: None.

Methods and materials for containment and cleaning up: After spillage wash with 50 % ethanol or propanol.

Section 7 - Handling and Storage

Precautions for safe handling: Adhere to common safety measures.

Conditions for safe storage, including any incompatibilities: Store on a dry place in originally sealed packaging. Storage temperature 2-25°C. Recommended to store at the temperature of 2-8°C after opening. Keep away from sunlight.

Specific end use: Cosmetic ingredient.



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Section 8 - Exposure Controls / Personal Protection

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| Control parameters: | No exposure limits. |
| Exposure controls: | |
| Hygiene measures: | Good industrial practice. Do not drink, eat or smoke while working. |
| Eye/face protection: | Use chemical safety goggles when necessary. |
| Hand protection: | Wear laboratory gloves. |
| Skin protection: | Wear casual working clothes. |
| Respiratory protection: | Not required. |
| Thermal hazard: | Not applicable. |

Environmental exposure controls: No special environmental precautions.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties:

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| Appearance: | white to slightly yellow powder or granules |
| Odor: | odourless |
| Boiling point: | not applicable |
| pH: | 5.0 – 8.0 for 0,5 % aqueous solution |
| Melting point/Freezing point: | data not available |
| Flash point: | not applicable |
| Evaporation rate: | not applicable |
| Flammability (solid gas): | hygroscopic, poorly flammable |
| Explosive limits: | none |
| Vapor pressure: | not applicable |
| Relative Density: | not applicable |
| Solubility: | soluble in water and in mixture of water and water-miscible organic solvents (e.g. ethanol, propanol) insoluble in fats and anhydrous organic solvents |
| Partition coefficient (n-octanol/water): | data not available |
| Autoignition temperature: | data not available |
| Decomposition temperature: | data not available – polysaccharides, decomposition rate increases with temperature significantly above 50°C |
| Viscosity: | data not available |
| Explosion properties: | none |
| Oxidizing properties: | none |
| Other data: | Hygroscopic polysaccharides |

Section 10 - Stability and Reactivity

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| Reactivity: | No hazardous reactions. |
| Chemical stability: | The product is stable under the appropriate storage conditions. |
| Possibility of hazardous reactions: | Not known. |
| Conditions to avoid: | Direct sunlight, temperatures above 50°C. |
| Incompatible materials: | Oxidizing agents. |
| Hazardous decomposition products: | Unidentified organic compounds. |



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Section 11 - Toxicological Information

Information on toxicological effects:

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|---|---------------------------------|
| Acute toxicity: | non-toxic |
| Skin irritation: | non-irritating |
| Eye irritation: | non-irritating |
| Respiratory or skin sensitization: | non-sensitizing |
| Germ cell mutagenicity: | non-mutagenic |
| Carcinogenicity: | data not available |
| Reproductive toxicity: | non-toxic for reproduction |
| STOT-SE/RE: | data not available |
| Aspiration hazard: | not applicable |
| IARC: | Not identified as carcinogenic. |

Potential health effects: No toxic properties have been detected.

Section 12 - Ecological Information

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| Toxicity: | No negative effect. |
| Persistence and degradability: | Fully biodegradable. |
| Bioaccumulative potential: | Does not accumulate in living organisms. |
| Mobility in soil: | Not applicable. |
| Results of PBT and vPvB assessment: | Not PBT or vPvB. |
| Other adverse effects: | None. |

Section 13 - Disposal Consideration

Waste treatment methods: Waste must be disposed in accordance with local, regional and national environmental regulations.
Not dangerous waste.

Section 14 - Transport Information

Transport information: Not dangerous goods.

Section 15 - Regulatory Information

Safety, health and environmental Regulations/legislation specific for the substance:

Regulation (EC) No. 1907/2006 (REACH)
Regulation (EC) No. 1272/2008 (CLP/EU-GHS)
Directive 76/768/EHS (Cosmetic Directive)

Chemical safety assessment: Not classified as hazardous substance or mixture according to The CLP/EU-GHS.



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Section 16 - Other Information

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eMail: info@gfn-selco.de

Explanatory notes:

STOT: specific target organ toxicity
SE: single exposure
RE: repeated exposure
IARC: International Agency for Research on Cancer
INCI: International Nomenclature of Cosmetic Ingredients
PBT: persistent, bio-accumulative, toxic for reproduction
vPvB: very persistent, very bio-accumulative

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