

Hyaluronic Acid

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation

Revision Date: 04/28/2020
Supersedes: 03/16/2016

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Hyaluronic Acid
Synonyms: Not available
INCI Name: Sodium hyaluronate
CAS Number: 9067-32-7
Formula: $[C_{14}H_{22}NNaO_{11}]_n$
Product Form: Solid (powder)
Product Use: Cosmetic use

Distributor: MakingCosmetics.com Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: www.makingcosmetics.com

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified
GHS Labeling: Not classified
GHS Hazard Pictograms: None
GHS Hazard Statements: None
GHS Precautionary Statements: None
Potential Health Hazards: Eyes: May be slight irritant.
Inhalation: May be slight irritant.
Skin: May be slight irritant.
Ingestion: May be slight irritant.

NFPA Ratings (704):

Health	1	Slight
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Sodium hyaluronate	9067-32-7	≥90.0%	N/A

4 FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. Seek medical attention if irritation occurs.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if necessary.
Skin: Wash skin with plenty of soap and water. Seek medical attention if symptoms occur.
Ingestion: Rinse mouth with water. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.
Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points: No data available
Specific hazards arising from the chemical: Nature of decomposition products not known. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Do not let product enter drains. Notify environmental authorities in case of large leaks.
Methods and material for containment and cleaning up:	Sweep up and shovel product. Place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage, incl. any incompatibilities:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature 0 °C to +4 °C.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Sodium hyaluronate	N/A		

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection:

Eyes:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Inhalation:	Respiratory protection is not required. When 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).
Body:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. 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 the EU Directive 89/686/EEC and the standard EN 374 derived from it.
Other:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Powder	Vapor Pressure:	No data available
Odor:	No data available	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available

Color:	White	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH:	5.0-8.5	Solubility in Water:	Ca. 5 g/L
Boiling Point:	No data available	Specific Gravity:	No data available
Melting Point:	No data available	Auto-Ignition Temperature:	No data available
Relative Density:	No data available	Decomposition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Explosive Properties:	No data available
Viscosity:	No data available	Freezing Point:	No data available
Oxidizing Properties:	No data available		

10 STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	No data available
Hazardous Polymerization:	No data available
Conditions to Avoid:	No data available
Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	Other decomposition products - no data available

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	Safe to skin
Eyes:	May cause eye redness
Respiratory:	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion:	Safe to be swallowed
Carcinogenicity:	Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA
Teratogenicity:	No data available
Germ Cell Mutagenicity:	No data available
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	No data available
Reproductive Toxicity:	No data available
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	No data available
Irritation:	No data available
Repeated Dose Toxicity:	No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	No data available
Aquatic Invertebrate:	No data available
Terrestrial:	No data available
Persistence and Degradability:	No data available
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
PBT and vPvB Assessment:	No data available
Other Adverse Effects:	No data available

13 DISPOSAL CONSIDERATIONS

- Waste Residues:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
- Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

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| DOT (Dept. of Transportation, USA): | No data available |
| TDG (Transportation of Dangerous Goods, Canada): | Not regulated |
| IMDG (International Maritime Dangerous Goods): | Not regulated as dangerous goods |
| IATA (International Air Transport Association): | Not regulated as dangerous goods |
| ICAO (International Civil Aviation Organization): | Not regulated |

15 REGULATORY INFORMATION

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|-------------------------------|-------------------|
| TSCA Inventory Status: | No data available |
| DSCL (EEC): | No data available |
| WHMIS (Canada): | No data available |

16 OTHER INFORMATION

- Revision Date:** 04/28/2020
- Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
- Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.