

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : Sodium Hyaluronate
Brand : SAM
Company : Stanford Advanced Materials
23661 Birtcher Dr.
Lake Forest, CA 92630 USA
Emergency Telephone No. : (949) 407-8904
Website : www.samaterials.com
Identified Uses : Laboratory chemicals, Manufacture of substances

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Synonyms : Hyaluronic acid, Sodium hyaluronate hyaluronan;
Hyaluronic acid sodium salt

CAS No. : 9067-32-7

EINECS/ELINCS : 232-678-0

Formula : $(C_{14}H_{22}NNaO_{11})_n$

Molecular Weight : $(403.31)_n$ g/mol

No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

In case of inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.
Get immediate medical attention.

In case of skin contact: Immediately wash skin with soap and plenty of water.

In case of eye contact: Hold eyelids apart and flush eyes with plenty of water.

In case of ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Fire-fighting instructions

Wear self-contained breathing apparatus for firefighting if necessary.

Further information No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid raising and breathing dust, and provide adequate ventilation.

As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

6.2 Environmental precautions

Take steps to avoid release into the environment, if safe to do so.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Transfer to a chemical waste container for disposal in accordance with local regulations.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2-10 °C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Eye protection: Safety glasses

Protective gloves: Compatible chemical-resistant gloves

Other protective clothing: Lab coat

Respiratory equipment (specify type): NIOSH approved respirator, as conditions warrant.

Work/Hygienic/Maintenance practices:

Do not take internally.

Facilities storing or utilizing this material should be equipped with eyewash and a safety shower.

Wash thoroughly after handling.

No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------|--------------------------------------|
| Physical states: | Solid, white powder, taste-less |
| Odour: | Odour-less |
| Melting point: | No applicable information available. |
| Boiling point: | No applicable information available. |
| Flash point : | No applicable information available. |
| Evaporation rate : | No applicable information available. |
| Explosive limits: | No applicable information available. |
| Vapor pressure (vs. Air or mmHg): | No applicable information available. |
| Vapour density (vs. Air = 1): | No applicable information available. |
| Specific gravity (Water = 1): | No applicable information available. |
| Solubility in water: | Soluble |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Chemical stability: | Stable under recommended storage conditions. |
| Possibility of hazardous reactions: | No data available |
| Conditions to avoid: | No data available |
| Incompatible materials: | No data available |
| Hazardous decomposition or byproducts: | No data available. |

11. TOXICOLOGICAL INFORMATION

| | |
|-----------------------------------|-------------------|
| Acute toxicity | No data available |
| Inhalation: | No data available |
| Dermal: | No data available |
| Skin corrosion/irritation | No data available |
| Serious eye damage/eye irritation | No data available |
| Respiratory or skin sensitization | No data available |
| Germ cell mutagenicity | No data available |
| Carcinogenicity | |

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product presents at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

| | |
|--|-------------------|
| Reproductive toxicity | No data available |
| Specific target organ toxicity - single exposure | No data available |
| Specific target organ toxicity - repeated exposure | No data available |

Aspiration hazard No data available

Additional Information RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in Soil: No data available

Results of PBT and vPvB assessment: No data available

Other adverse effects No data available

13. DISPOSAL CONSIDERATIONS

Waste disposal method: Dispose in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT Proper shipping name: Not dangerous goods.

DOT hazard class:

UN/NA number:

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping name: Not dangerous goods.

UN number:

Hazard class:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA shipping name: Not dangerous goods.

Additional transport: Transport in accordance with local, state, and federal regulations.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture: Not available.

Chemical safety assessment: Not available.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.