# SAFETY DATA SHEET
Sodium Hyaluronate Powder

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 **Product Identifier:**
   - **Trade Name:** Sodium Hyaluronate Powder
   - **INCI Name:** Sodium Hyaluronate

1.2 **Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:**
   - **Product Use:** Active ingredient in cosmetic and personal care applications

1.3 **Details of the Supplier of the Safety Data Sheet:**
   - **Manufacturer:** TRI-K INDUSTRIES, INC.
     - 2 Stewart Court
     - Denville, NJ 07834
   - **Information Phone Number:** (973) 298-8850
   - **E-mail:** info@tri-k.com

1.4 **Emergency Telephone Number:**
   - **Emergency Spill Information:**
     - (973) 298-8850 (TRI-K Industries, Inc.)
     - (800) 222-1222 (National Poison Control Center)

**24-HOUR EMERGENCY TELEPHONE NUMBER**
CHEMTREC +1 (800) 424-9300 or +1 (703) 527-3887

**SDS Date of Preparation:** June 1, 2015

## SECTION 2: HAZARDS IDENTIFICATION

2.1 **Classification of the Substance or Mixture**

Classification according to Regulation (EC) No 1272/2008 [CLP]:
The substance does not meet the criteria for a hazardous substance

Classification according to Directive 1999/45/EC [DPD]:
The substance does not meet the criteria for dangerous substances

**OSHA Regulatory Status**
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

2.2 **Label Elements:** *Labeling according to Regulation (EC) No 1272/2008 [CLP]*
Hazard Statement: Warning
Physical Hazards
MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR
Hazards not otherwise classified (HNOC)
No hazards not otherwise classified were identified.

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>EINECS#</th>
<th>DSD Classification (67/548/EEC)</th>
<th>CLP Classification (EC) No 1272/2008</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hyaluronate</td>
<td>9067-32-7</td>
<td>N/A</td>
<td>Not classified as dangerous</td>
<td>Not classified as hazardous</td>
<td>100%</td>
</tr>
</tbody>
</table>

Additional information: For full text of H-statements and R-phrases: see SECTION 16

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:
   Eye Contact: Flush with water; seek medical advice if discomfort persists
   Skin Contact: Wash material off the skin with soap and water
   Inhalation: Remove person to fresh air. If breathing is difficult or if discomfort occurs and persists, obtain medical attention.
   Ingestion: Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention if symptoms occur.

4.2 Most Important symptoms and effects, both acute and delayed:
   Not expected to be a skin or eye irritant (based on available data). Non-toxic by oral ingestion (based on nature of material). No other adverse clinical effects are known to be associated with exposure to this material. Difficulty breathing. Cough.

4.3 Indication of any immediate medical attention and special treatment needed:
   Aspiration or inhalation of this product could cause chemical pneumonitis. Treatment is symptomatic and supportive.
### SECTION 5: FIRE FIGHTING MEASURES

5.1 **Suitable Extinguishing Media:**
- Dry chemical, CO₂, foam, halon, water spray (fog)

5.2 **Special Hazards Arising from the Substance or Mixture:**
- **Unusual Fire and Explosion Hazards:** None known
- **Hazardous Decomposition Products:** None known

5.3 **Advice for Fire-Fighters:**
- **Special Fire Fighting Procedures:**
  - Avoid dust formation. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
- **Explosion data**
  - **Sensitivity to Mechanical Impact**: Not sensitive.
  - **Sensitivity to Static Discharge**: Yes.
- **Protective equipment and precautions for firefighters**: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 **Personal Precautions, Protective Equipment and Emergency Procedures:**
- Avoid dispersal of dust in the air (i.e., cleaning dust surfaces with compressed air.). Avoid breathing dust. Powder may become slippery when wet. For personal protection see section 8.

6.2 **Environmental Precautions:**
- See Section 12 for additional Ecological Information.

6.3 **Methods and Material for Containment and Cleaning Up:**
- Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Sweep, vacuum or shovel into suitable containers for disposal. Non sparking tools should be used. Wash-down water is not recommended. Powder may become slippery when wet.

6.4 **Reference to Other Sections:**
- Refer to Section 8 for protective equipment and Section 13 for disposal considerations.

### SECTION 7: HANDLING AND STORAGE

7.1 **Precautions for Safe Handling:**
- Handle in accordance with good industrial hygiene and safety practice. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts...
do not accumulate on surfaces. Dry powdered material can build static electricity when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmosphere. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected.

7.2 Conditions for Safe Storage, Including any Incompatibilities:
Store at less than 25 °C, in tightly closed containers. Keep out of direct sunlight. Store in dry environment away from heat and sources of ignition, i.e., steam pipes, radiant heaters, hot air vents or welding sparks. Do not store with strong smelling materials.

7.3 Specific end use(s): Active ingredient in cosmetic and personal care applications

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>8.1.1 Occupational Exposure Limits:</th>
<th>8.1.2 Additional exposure limits under the conditions of use:</th>
<th>8.1.3 DNEL/DMEL and PNEC-Values:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hyaluronate</td>
<td>No limits established</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

8.2 Exposure Controls:

8.2.1 Appropriate Engineering Controls: General mechanical ventilation is acceptable

8.2.2 Individual protection measures, such as personal protective equipment:

- **Eye/face protection:** Chemical goggles with side splash protection recommended
- **Hand Protection:** Protective gloves
- **Body Protection:** Minimize skin contamination by following good industrial hygiene practices. Use gloves if extended exposure is anticipated.
- **Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
- **Thermal Hazards:** None required under normal conditions of use
- **Other:** An eye wash facility should be available in the work area. Employees must practice good personal hygiene, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

8.2.3 Environmental Exposure Controls: Non-hazardous but avoid direct releases to the environment
## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic Physical and Chemical Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Property Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong> Powder, Color</td>
<td><strong>Vapor Pressure:</strong> Not determined</td>
</tr>
<tr>
<td><strong>Odor:</strong> Mild/Characteristic</td>
<td><strong>Vapor Density:</strong> Not determined</td>
</tr>
<tr>
<td><strong>Odor Threshold:</strong> No data available</td>
<td><strong>Specific Gravity:</strong> No information available</td>
</tr>
<tr>
<td><strong>pH:</strong> 6.0 - 7.0</td>
<td><strong>Water Solubility:</strong> No information available</td>
</tr>
<tr>
<td><strong>Melting Point / freezing point:</strong> Not determined</td>
<td><strong>Partition coefficient:</strong> n-octanol/water: Not Available</td>
</tr>
<tr>
<td><strong>Boiling Point:</strong> No information available</td>
<td><strong>Auto-ignition Temperature:</strong> Not Available</td>
</tr>
<tr>
<td><strong>Flash Point (COC):</strong> No information available</td>
<td><strong>Decomposition Temperature:</strong> Not Available</td>
</tr>
<tr>
<td><strong>Evaporation Rate:</strong> Not Applicable</td>
<td><strong>Viscosity (cP):</strong> Not determined</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas):</strong> Not Applicable</td>
<td><strong>Explosion Properties:</strong> None</td>
</tr>
<tr>
<td><strong>Upper/lower flammability or explosive limits:</strong> Not Applicable</td>
<td><strong>Oxidizing Properties:</strong> None</td>
</tr>
</tbody>
</table>

### 9.2 Other Information:

None

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

Not applicable

### 10.2 Chemical Stability:

Stable under recommended storage conditions.

### 10.3 Possibility of Hazardous Reactions:

None under normal processing.

### 10.4 Conditions to Avoid:

Excessive heat.

### 10.5 Incompatible Materials:

No materials to be especially mentioned.

### 10.6 Hazardous Decomposition Products:

None known based on information supplied.
SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:
   Acute toxicity: No information available.
   Irritation: This is not irritation.
   Corrosivity: This is not a corrosive product.
   Sensitization: Not expected to be sensitizing based on the components
   Repeated dose toxicity: This product does not contain any known or suspected reproductive hazards.
   Carcinogenicity: Contains no ingredient listed as a carcinogen.
   Mutagenicity: No known mutagenic or teratogenic effects.
   Toxicity for reproduction: Not expected to affect reproduction or development.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: No ecotoxicity data available
   Acute (short-term) toxicity: N/A
   Fish: N/A
   Crustacea: N/A
   Algae/aquatic plants: N/A
   Other organisms: N/A
   Chronic (long-term) toxicity: N/A
   Fish: N/A

12.2 Persistence and Degradability:
   Expected to biodegrade, based on component information.

12.3 Bio accumulative Potential:
   Bioaccumulation is unlikely.

12.4 Mobility in Soil:
   No information available.

12.5 Results of PBT and vPvB Assessment:
   This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other Adverse Effects: The environmental impact of this product has not been fully investigated.
SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Dispose of in accordance with federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>US DOT</th>
<th>EU land transport (ADR/RID/ADN)</th>
<th>Sea Transport (IMDG)</th>
<th>Air Transport (ICAO/IATA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.2 UN Proper Shipping Name</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.3 Transport Hazard Class(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.4 Packing Group</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.5 Environmental Hazards</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.6 Special Precautions for user</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

<table>
<thead>
<tr>
<th>Regulation</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU EINECS/ELINCS/NLP</td>
<td>Not listed</td>
</tr>
<tr>
<td>Canada DSL/NDSL</td>
<td>All of the components of this product are listed on the DSL Inventory.</td>
</tr>
<tr>
<td>US TSCA</td>
<td>Not listed</td>
</tr>
<tr>
<td>Korea KECI</td>
<td>Not listed</td>
</tr>
<tr>
<td>China IECSC</td>
<td>All of the components of this product are listed on the IECSC.</td>
</tr>
<tr>
<td>Japan ENCS</td>
<td>Not listed</td>
</tr>
<tr>
<td>Philippine PICCS</td>
<td>Not listed</td>
</tr>
<tr>
<td>Australia AICS</td>
<td>All of the components of this product are listed on the AICS Inventory.</td>
</tr>
</tbody>
</table>

15.2 Chemical Safety Assessment:  
No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: OTHER INFORMATION

16.1 Indication of Changes  
Version 1 created on June 1, 2015

16.2 NFPA

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
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<tbody>
<tr>
<td>Health Hazards</td>
<td>0</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
</tr>
<tr>
<td>Special Hazards</td>
<td></td>
</tr>
</tbody>
</table>

16.3 HMIS

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazards</td>
<td>0</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Physical hazard</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>X</td>
</tr>
</tbody>
</table>

16.3 Legal Disclaimer

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