

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

**1.1 Product Identifier:**

**Trade Name** HyaClear® Solution PF  
**INCI Name** Water, 1,2-Hexanediol, 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](mailto: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:** December 22, 2021

**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]**

Not applicable

Hazard Statement: Not applicable

Precautionary Statement: Not applicable

**2.3 Other Hazards: None**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	EINECS#	DSD Classification (67/548/EEC)	CLP Classification (EC) No 1272/2008	%
Water	7732-18-5	231-791-2	Not classified as dangerous	Not classified as hazardous	Q.S.
1,2-Hexanediol	6920-22-5	230-029-6	Irritant; XI; R36; S26	Eye Irrit. 2 H319	2.2 – 3.7 %
Sodium Hyaluronate	9067-32-7	618-620-0	Not classified as dangerous	Not classified as hazardous	0.7 – 1.8 %

**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:** Not applicable, avoid breathing liquid or aerosols of material

**Ingestion:** Drink water, seek medical attention if needed

**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.

**4.3 Indication of any immediate medical attention and special treatment needed:**

No immediate medical treatment normally needed

**SECTION 5: FIRE FIGHTING MEASURES**

**5.1 Suitable Extinguishing Media:**

Dry chemical, CO<sub>2</sub>, 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:**

Self-contained breathing apparatus with full-face piece and protective clothing. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**  
Ensure adequate ventilation. Use chemical safety goggles for eye/face protection.
- 6.2 Environmental Precautions:**  
Non-hazardous but avoid direct releases to the environment
- 6.3 Methods and Material for Containment and Cleaning Up:**  
Pick up with absorbent material and collect for disposal
- 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:**  
Keep working place well ventilated; no special precautions are needed under normal use conditions
- 7.2 Conditions for Safe Storage, Including any Incompatibilities:**  
Avoid temperatures above 40°C as this may affect the efficacy of the product. Optimum storage temperature is 24°C or lower. Do not freeze. Avoid exposure to sunlight for prolonged periods.
- 7.3 Specific end use(s):** Active ingredient in cosmetic and personal care applications

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters:**

Chemical Name	8.1.1 Occupational Exposure Limits:	8.1.2 Additional exposure limits under the conditions of use:	8.1.3 DNEL/DMEL and PNEC- Values:
Water	No limits established	Not Available	Not Available
1,2-Hexanediol	No limits established	Not Available	Not Available
Sodium Hyaluronate	No limits established	Not Available	Not Available

**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:** None required under normal conditions of use

**Respiratory Protection:** None required under normal conditions of use

**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:

<b>Appearance:</b> Viscous liquid; Colorless, Clear	<b>Vapor Pressure:</b> Not determined
<b>Odor:</b> Characteristic	<b>Vapor Density:</b> Not determined
<b>Odor Threshold:</b> No data available	<b>Specific Gravity:</b> Not Applicable
<b>pH:</b> 5.5 – 8.0	<b>Water Solubility:</b> Soluble
<b>Melting Point / freezing point:</b> Not determined	<b>Partition coefficient: n-octanol/water:</b> Not Available
<b>Boiling Point:</b> Not applicable	<b>Auto-ignition Temperature:</b> Not Available
<b>Flash Point (COC):</b> Not Applicable	<b>Decomposition Temperature:</b> Not Available
<b>Evaporation Rate:</b> Not Applicable	<b>Viscosity (cP):</b> Not determined
<b>Flammability (solid, gas):</b> Not Applicable	<b>Explosion Properties:</b> None
<b>Upper/lower flammability or explosive limits:</b> Not Applicable	<b>Oxidizing Properties:</b> None

### 9.2 Other Information:

None

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

Not reactive under normal conditions of use

### 10.2 Chemical Stability:

No known hazardous reactions

### 10.3 Possibility of Hazardous Reactions:

None known

### 10.4 Conditions to Avoid:

Gross bacterial contamination

### 10.5 Incompatible Materials:

Concentrated nitric or sulfuric acid, strong oxidizing agents

**10.6 Hazardous Decomposition Products:**

Burning can produce smoke, CO, CO<sub>2</sub>, ammonia and other products of incomplete combustion

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on Toxicological Effects:**

**Acute toxicity:** Oral LD50 is anticipated to be >5g/kg based on testing of similar materials

**Irritation:** HRIPT results indicate that the product is non-irritating

**Corrosivity:** This is not a corrosive product

**Sensitization:** HRIPT results indicate that the product is non-sensitizing

**Repeated dose toxicity:** No data available

**Carcinogenicity:** None of the components are listed as a carcinogen by IARC, NTP, OSHA, ACGIH or the EU Substances Directive

**Mutagenicity:** AMES test results indicate that this product is non-mutagenic

**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:**

Not available

**12.3 Bio accumulative Potential:**

Not expected to be bio-accumulative in aquatic organisms

**12.4 Mobility in Soil:**

Since the product is completely soluble in water, it is expected to be highly mobile in soil

**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:**

None known

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste Treatment Methods:**

Dispose in accordance with local and federal environmental regulations

**SECTION 14: TRANSPORT INFORMATION**

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

**SECTION 15: REGULATORY INFORMATION**

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

<b>EU EINECS/ELINCS/NLP:</b>	Listed
<b>Canada DSL/NDSL:</b>	Listed
<b>US TSCA</b>	Not Applicable
<b>Korea KECI:</b>	All the materials are listed except CAS # 9067-32-7
<b>China IECSC/IECIC</b>	Listed
<b>Japan ENCS:</b>	Listed
<b>Australia AICS:</b>	Listed
<b>Philippine PICCS:</b>	All the materials are listed except CAS # 9067-32-7
<b>New Zealand (NZIoC):</b>	Listed

**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 December 22, 2021

### 16.2 List of Relevant R- phrases (number and full text):

Not applicable

### 16.3 Legal Disclaimer

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