

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

**1.1 Product Identifier:**

**Trade Name** Fision® KeraVeg18  
**INCI Name** Water, Wheat Amino Acids, Soy Amino Acids, Arginine HCl, Serine, Threonine

**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:** +1 (973) 298-8850  
**E-mail** info@tri-k.com

**1.4 Emergency Telephone Number:**

**Emergency Spill Information** +1 (973) 298-8850 (TRI-K Industries, Inc.)  
+1 (800) 222-1222 (National Poison Control Center)

**24-HOUR EMERGENCY  
TELEPHONE NUMBER**

**CHEMTREC +1 (800) 424-9300 or +1 (703) 527-3387**

**SDS Date of Revision:** July 30, 2020

**SDS Date of Preparation:** September 17, 2013

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the Substance or Mixture**

**GHS Classification (EC No. 1272/2008):**

The substance does not meet the criteria for a hazardous substance

**EU Classification (Directive 1999/45/EC):**

The substance does not meet the criteria for dangerous substances

**2.2 Label Elements:**

Not applicable

Hazard Phrases: Not applicable

Precautionary Phrases: Not applicable

2.3 Other Hazards: None

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

Chemical Name	CAS#	EINECS#	REACH Registration No.	EU Classification (67/548/EEC)	GHS Classification Regulation (EC) No 1272/2008	%
Water	7732-18-5	231-791-2	Exempt	Not classified as dangerous	Not classified as hazardous	67.0 – 87.0
Wheat Amino Acids	65072-01-7	N/A	Exempt	Not classified as dangerous	Not classified as hazardous	5.0 – 9.9
Soy Amino Acids	65072-01-7	N/A	Exempt	Not classified as dangerous	Not classified as hazardous	5.0 – 9.9
Arginine HCl	1119-34-2	214-275-1(I)	01-2119961765-25-XXXX	Not classified as dangerous	Not classified as hazardous	1 – 4.9
Serine	56-45-1	200-274-3	01-2119955074-38-XXXX	Not classified as dangerous	Not classified as hazardous	1 – 4.9
Threonine	72-19-5	200-774-1(I)	01-2120109031-79-XXXX	Not classified as dangerous	Not classified as hazardous	1 – 4.9
Benzyl alcohol	100-51-6	202-859-1	01-2119492630-38-XXXX	Acute Tox. 4	H302 & H332	0.15
Potassium Sorbate	24634-61-5	246-376-1	01-2119950315-41-XXXX	Eye Irrit. 2	H319	0.042
Sodium benzoate	532-32-1	208-534-8	01-2119460683-35-XXXX	Eye Irrit. 2A	H319	0.030

See Section 16 for further information on EU and GHS Classification.

**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

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 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 Special Protective Actions 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 mask 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 application

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

**8.1 Control Parameters:**

Chemical Name	Exposure Limits
Water, Wheat Amino Acids, Soy Amino Acids, Arginine HCl, Serine, Threonine	None Established

**8.2 Exposure Controls:**

**ENGINEERING CONTROLS:** General mechanical ventilation is acceptable  
**RESPIRATORY PROTECTION:** None required under normal conditions of use  
**SKIN PROTECTION:** Oil resistant gloves, heat-resistant rubber gloves  
**EYE PROTECTION:** Chemical goggles with side splash protection recommended  
**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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

<b>Appearance:</b> Amber liquid	<b>Vapor Density:</b> same as water
<b>Odor:</b> Characteristic	<b>Specific Gravity:</b> 1.065 – 1.095
<b>Odor Threshold:</b> Not determined	<b>Water Solubility:</b> Complete
<b>pH:</b> 3.5 – 5.5	<b>Octanol/Water Partition Coefficient:</b> Not determined
<b>Melting Point:</b> Not applicable	<b>Auto-ignition Temperature:</b> Not determined
<b>Boiling Point:</b> 101°C	<b>Decomposition Temperature:</b> Not determined
<b>Flash Point (COC):</b> Not applicable	<b>Viscosity (cP):</b> Not determined
<b>Evaporation Rate:</b> Not determined	<b>Explosion Properties:</b> Not applicable
<b>Flammable Limits:</b> Not determined	<b>Oxidizing Properties:</b> Not applicable
<b>Vapor Pressure:</b> Same as water	<b>% Volatile:</b> Not determined

**9.2 Other Information:**

None

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

Not reactive under normal conditions of use

**10.2 Chemical Stability:**

Stable

**10.3 Possibility of Hazardous Reactions:**

None known

**10.4 Conditions to Avoid:**

Excessive heat

**10.5 Incompatible Materials:**

N/A

**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:**

**Eye Contact:** May cause discomfort.

**Skin Contact:** No adverse effects expected.

**Inhalation:** Not applicable.

**Ingestion:** Excessive ingestion may cause mild nausea or abdominal discomfort.

**Irritation:** No data available. Based on nature of the material, it is not expected to cause significant irritation.

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

**Sensitization:** This product is not expected to cause sensitization

**Repeat Dose Toxicity:** No data available

**Carcinogenicity:** No data available. None of the components are listed a carcinogen by IARC, NTP, OSHA, ACGIH or the EU Substances Directive.

**Germ Cell Mutagenicity:** Not determined, however, this product is not expected to present a germ cell mutagenicity hazard

**Toxicity for Reproduction:** Not expected to affect reproduction or development

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity:**

No ecotoxicity data available

**12.2 Persistence and Degradability:**

Based on the nature of the ingredients, this product is biodegradable

**12.3 Bioaccumulative Potential:**  
Not expected to be bio-accumulative in aquatic organisms

**12.4 Mobility in Soil:**  
Not determined

**12.5 Results of PBT and vPvB Assessment:**  
Not required

**12.6 Other Adverse Effects:**  
None known

**SECTION 13: DISPOSAL INFORMATION**

**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>				
<b>14.2 UN Proper Shipping Name</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3 Transport Hazard Class(s)</b>				
<b>14.4 Packing Group</b>				
<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:**

Component	CAS #	EINECS #	China IECSC/ IECIC	USA TSCA	Japan ENCS	Korea KECI	Philippines PICCS	Australia AICS	Canada DSL	New Zealand NZIoC
Water	7732-18-5	231-791-2	✓	✓	✓	✓	✓	✓	✓	✓
Wheat Amino Acids	65072-01-7	N/A	✓ IECIC				✓	✓	✓	✓
Soy Amino Acids	65072-01-7	N/A	✓ IECIC				✓	✓	✓	✓
Arginine HCl	1119-34-2	214-275-1(I)	✓	✓	✓	✓	✓	✓	✓	✓
Serine	56-45-1	200-274-3	✓	✓	✓	✓	✓	✓	✓	✓
Threonine	72-19-5	200-774-1(I)	✓	✓	✓	✓	✓	✓	✓	✓

✓ - Denotes that the substance is listed on specified inventory

**Germany:** Water Hazard Class (Wassergefährdungsklasse): WGK 1

**REGULATION (EC) No 1005/2009 – Substances that deplete the ozone:**

This product does not contain any chemicals subject to Regulation (EC) No 1005/2009

**REGULATION (EC) No 850/2004 – Persistent organic pollutants:**

This product does not contain any chemicals regulated under Regulation (EC) No 850/2004

**REGULATION (EC) No 689/2008 – Concerning the export and import of dangerous chemicals:**

This product does not contain any chemicals regulated under Regulation (EC) No 689/2008

**15.2 Chemical Safety Assessment:**

Not required

**SECTION 16: OTHER INFORMATION**

### 16.1 Indication of Changes

Version 1 created on September 17, 2013  
Version 2 created on October 24, 2013  
Version 3 created on July 31, 2015  
Version 4 created on August 24, 2016  
Version 5 created on November 27, 2018  
Version 6 created on December 20, 2018  
Version 7 created on July 30, 2020 - updated section 3

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

Not applicable

### 16.3 Legal Disclaimer

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