

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

1.1 Product Identifier:

Trade Name KeraPlant Z NPNF®
INCI Name Water, Hydrolyzed Wheat Protein, Hydrolyzed Soy Protein, Hydrolyzed Corn Protein

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 (800) 424-9300 or +1 (703) 527-3887

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

USA OSHA GHS Classification (29 CFR 1910.1200):

The substance does not meet the criteria for a hazardous substance under OSHA.

EU Classification CLP Regulation (Directive 1272/2008):

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.

2.2 Additional Information

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#	%
Water	7732-18-5	231-791-2	≥ 60
Hydrolyzed Wheat Protein	70084-87-6	309-358-5	7 - 14
Hydrolyzed Soy Protein	68607-88-5	271-770-5	3 - 8
Hydrolyzed Corn Protein	100209-41-4	309-349-6	3 - 8

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, 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 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, Hydrolyzed Wheat Protein (and) Hydrolyzed Soy Protein (and) Hydrolyzed Corn Protein	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:

Appearance: Clear to hazy, brown liquid	Vapor Density: Not determined
Odor: Characteristic	Specific Gravity: 1.083
Odor Threshold: Not determined	Water Solubility: Complete
pH: 4.5-5.5	Octanol/Water Partition Coefficient: Not determined
Melting Point: Not applicable	Auto-ignition Temperature: Not determined
Boiling Point: Not determined	Decomposition Temperature: Not determined
Flash Point (COC): Not applicable	Viscosity (cP): Not determined
Evaporation Rate: Not determined	Explosion Properties: Not applicable
Flammable Limits: Not determined	Oxidizing Properties: Not applicable
Vapor Pressure: Not determined	% Volatile: 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, CO₂, 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

Acute Toxicity Values:

Products: No toxicity data available.

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

Carcinogen Status: 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

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT		Not regulated			Not applicable
EU ADR/RID		Not regulated			Not applicable
IMDG		Not regulated			Not applicable
Air Transport (ICAO/IATA)			Not restricted for transport by air		Not applicable

14.6 Special Precautions for User:

None

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable

SECTION 15: REGULATORY INFORMATION

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

This product does not contain any chemicals subject to EC 1005/2009

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

This product does not contain any chemicals regulated under EC 850/2004

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

This product does not contain any chemicals regulated under EC 689/2008

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

EU EINECS/ELINCS/NLP:	Compliant
Canada DSL/NDSL:	Compliant
US TSCA	Compliant
Korea KECI:	Compliant
China IECSC/IECIC	Compliant
Japan ENCS:	Compliant
Australia AICS:	Compliant

Germany: Water Class Hazard (Wassergefährdungsklasse): WGK 1

15.2 Chemical Safety Assessment:

Not required

SECTION 16: OTHER INFORMATION

SDS Revision History:

V1: Created Dec. 13, 2019

V2: Updated on June 18, 2021; Added Specific Gravity in Section 9

V3: Updated on April 29, 2022; pH range modified in Section 9

GHS Phrases for Reference (See Section 2 and 3):

None

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):

None

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