

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

**1.1 Product Identifier:**

**Trade Name** Wheat Tein NPNF®  
**INCI Name** Hydrolyzed Wheat 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:** +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) 527-3887**

**SDS Date of Revision:** December 4, 2020

**SDS Date of Preparation:** June 11, 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 The Hazard Communication Standard (HCS) (29 CFR 1910.1200)**

The substance does not meet the criteria for dangerous substance

**2.2 Label Elements:**

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          | 77.0 – 82.0 |
| Hydrolyzed Wheat Protein | 70084-87-6 | 309-358-5 (I) | Not classified as dangerous     | Not classified as hazardous          | 18.0 – 23.0 |

**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

**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. Optimum storage temperature is 24°C or lower. Do not freeze. Avoid exposure to sunlight for prolonged periods.  
Storage Class (TRGS 510): Non-combustible liquids
- 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                    |
| Hydrolyzed Wheat Protein | 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> Clear, amber liquid                                 | <b>Vapor Pressure:</b> Not determined                           |
| <b>Odor:</b> Characteristic , mild                                     | <b>Vapor Density:</b> Not determined                            |
| <b>Odor Threshold:</b> No data available                               | <b>Specific Gravity:</b> 1.07 @ ~ 25°C                          |
| <b>pH:</b> 4.0 – 5.5                                                   | <b>Water Solubility:</b> Complete                               |
| <b>Melting Point / freezing point:</b> Not determined                  | <b>Partition coefficient: n-octanol/water:</b><br>Not Available |
| <b>Boiling Point:</b> 215°F / 101.6°C                                  | <b>Auto-ignition Temperature:</b> Not Available                 |
| <b>Flash Point (COC):</b> > 250° F (Not flammable)                     | <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><br>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:** *in vitro* dermal testing of similar materials show product to be non-irritating.

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

**Sensitization:** No data available

**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:** 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

**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>                                                                |                |                                 |                      |                           |
| <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:**

|                              |                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------|
| <b>EU EINECS/ELINCS/NLP:</b> | Listed on the EINECS Inventory.                                                                  |
| <b>Canada DSL/NDSL:</b>      | Listed on NDSL                                                                                   |
| <b>US TSCA</b>               | Listed on the EPA TSCA Inventory.                                                                |
| <b>Korea KECI:</b>           | Listed on the ECL.                                                                               |
| <b>China IECSC:</b>          | Listed on the Republic of China's Inventory of Existing Chemicals and Substances in China.       |
| <b>Japan ENCS:</b>           | All of the components are listed on the Japanese Existing and New Chemical Substances Inventory. |
| <b>Philippine PICCS:</b>     | Not listed                                                                                       |

|                 |            |
|-----------------|------------|
| Australia AICS: | Not listed |
|-----------------|------------|

Germany: Water Class Hazard (Wassergefährdungsklasse): WGK 1

**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**

**SDS Generated:** December 23, 2013

**Revision Date:** June 11, 2015

**Revision Date:** March 16, 2016

**Revision Date:** August 12, 2016

**Revision Date:** August 11, 2017

**Revision Date:** November 1, 2017

**Revision Date:** December 15, 2017

**Revision Date:** December 4, 2020

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

Not applicable

**16.3 Legal Disclaimer**

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