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

1.1 Product Identifier:
   Trade Name: Amino Wheat NPNF™ (42-57TE)
   INCI Name: Wheat Amino Acids

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

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

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

<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>Water</td>
<td>7732-18-5</td>
<td>231-791-2</td>
<td>Not classified as dangerous</td>
<td>Not classified as hazardous</td>
<td>75.0-80.0</td>
</tr>
<tr>
<td>Wheat Amino Acids</td>
<td>65072-01-7</td>
<td>N/A</td>
<td>Not classified as dangerous</td>
<td>Not classified as hazardous</td>
<td>20.0-25.0</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:** 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, 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:
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:

<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>Water</td>
<td>No limits established</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Wheat Amino Acids</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: 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:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear to slightly hazy, amber liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic, slight</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>4.0-5.5</td>
</tr>
<tr>
<td>Melting Point / freezing point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>215°F / 101.6°C</td>
</tr>
<tr>
<td>Flash Point (COC)</td>
<td>&gt; 250°F (Not flammable)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.16 @ 25°C</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Complete</td>
</tr>
<tr>
<td>Partition coefficient n-octanol</td>
<td>Not Available</td>
</tr>
<tr>
<td>Water</td>
<td>Not Available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not Available</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET
Amino Wheat NPNF™

Evaporation Rate: Not Applicable  Viscosity (cP): Not determined
Flammability (solid, gas): Not Applicable  Explosion Properties: None
Upper/lower flammability or explosive limits: Not Applicable  Oxidizing Properties: 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, CO₂, 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: This product is expected to be nonmutagenic.
   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

<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:

- **EU EINECS/ELINCS/NLP:** CAS no. 65072-01-7 not listed
- **Canada DSL/NDSL:** All of the components of this product are listed on the DSL.
- **US TSCA:** CAS no. 65072-01-7 not listed
- **Korea KECI:** CAS no. 65072-01-7 not listed
- **China IECSC:** All of the components of this product are listed on the IECSC.
- **Japan ENCS:** CAS no. 65072-01-7 not listed
- **Philippine PICCS:** All of the components of this product are listed on the PICCS.
- **Australia AICS:** All of the components of this product are listed on the AICS.

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 May 19, 2015.

16.2 List of Relevant R-phrases (number and full text):
Not applicable

16.3 Legal Disclaimer
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