

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

**1.1 Product Identifier:**

**Trade Name** Amino Soy NPNF®  
**INCI Name** Soy 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:** +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 Preparation:** June 30, 2015

**SDS Date of Revision:** March 16, 2016

**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          | 72.0 – 79.0 |
| Soy Amino Acids | 65072-01-7 | N/A       | Not classified as dangerous     | Not classified as hazardous          | 20.0 – 25.0 |

**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.
- 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                    |
| Soy Amino Acids | 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 to slightly hazy, amber liquid                | <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> 1.07 @ 25°C                            |
| <b>pH:</b> 4.0 – 6.0   | <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:** No data available

**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> | Not listed                              |
| <b>Canada DSL/NDL:</b>       | All components listed on the DSL        |
| <b>US TSCA</b>               | Not listed                              |
| <b>Korea KECI:</b>           | Not listed                              |
| <b>China IECSC:</b>          | All components listed on the IECSC      |
| <b>Japan ENCS:</b>           | All components listed on the Japan ENCS |
| <b>Philippine PICCS:</b>     | All components listed on the PICCS      |
| <b>Australia AICS:</b>       | All components 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 June 30, 2015.

Version 2 created on January 20, 2016.

Version 3 created on March 16, 2016

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

Not applicable

**16.3 Legal Disclaimer**

The statements contained in this document are for informational purposes only and are intended to be generally representative of the raw material supplied by Tri-K Industries, Inc. or its affiliates (collectively, "Tri-K"). They are derived from information obtained from tests and analysis, including those conducted by Tri-K's vendors. The recipient of this document is cautioned against relying on it without independent investigation as to the accuracy and completeness of the statements set forth herein, or the suitability or fitness of the raw material for any particular purpose. This document does not constitute a representation or warranty by Tri-K; the parties' written agreement is the sole and exclusive source of any representation or warranty. TRI-K HEREBY DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.