

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

**1.1 Product Identifier:**

**Trade Name** Baobab Tein Z NPNF®  
**INCI Name** Hydrolyzed Adansonia Digitata Seed Extract

**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 CHEMTREC +1 (800) 424-9300 or +1 (703) 527-3887**  
**TELEPHONE NUMBER**

**SDS Date of Preparation:** December 2, 2016  
**SDS Date of Revision (Version 2):** July 19, 2017  
**SDS Date of Revision (Version 3):** February 21, 2018  
**SDS Date of Revision (Version 4):** August 17, 2022

**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	91.5 – 93.5
Hydrolyzed Adansonia Digitata Seed Extract	91745-12-9	294-680-8	Not classified as dangerous	Not classified as hazardous	6.5 – 8.5
Sodium Benzoate	532-32-1	208-534-8	Not classified as dangerous	Not classified as hazardous	1.0± 0.1

**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

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**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
Hydrolyzed Adansonia Digitata Seed Extract	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> 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

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<b>Flammability (solid, gas):</b> Not Applicable	<b>Explosion Properties:</b> None
<b>Upper/lower flammability or explosive limits:</b> 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:** 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:** AMES test results indicate that this product is 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

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**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</b> UN Number				
<b>14.2</b> UN Proper Shipping Name	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3</b> Transport Hazard Class(s)				Not restricted (for air travel)
<b>14.4</b> Packing Group				Not applicable
<b>14.5</b> Environmental Hazards	Not applicable	Not applicable	Not applicable	Not applicable

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<b>14.6</b> Special Precautions for user	None	None	None	None
<b>14.7</b> Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	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>	All of the components of this product are listed on the EINECS Inventory.
<b>Canada DSL/NDSL/ICL:</b>	Listed (ICL)
<b>US TSCA</b>	Not listed
<b>Korea KECI:</b>	Not listed
<b>China IECSC:</b>	All of the components of this product are listed on the IECSC.
<b>Japan ENCS:</b>	Not listed
<b>Philippine PICCS:</b>	Not listed
<b>Australia AICS:</b>	Not listed

##### 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 December 2, 2016

Version 2 composition updated on July 19, 2017

Version 3 finalized the composition/ingredients: February 21, 2018

Version 4 Updated Canada DSL/NDSL/ICL to listed (ICL)

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

Not applicable

##### 16.3 Legal Disclaimer

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