

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

**1.1 Product Identifier:**

**Trade Name** NaturePep® Amaranth  
**INCI Name** Water, Amaranthus Caudatus Seed Extract  
**INCI Status** Assigned

**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 USA  
**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)

<b>24-HOUR EMERGENCY TELEPHONE NUMBER</b>	<b>CHEMTREC +1 (800) 424-9300 or +1 (703) 527-3887</b>
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**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	Q.S.
Amaranthus Caudatus Seed Extract	223747-79-3	607-014-1	Not classified as dangerous	Not classified as hazardous	8.0 – 12.0
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 clean 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:**

May cause mild eye irritation. Swallowing may cause mild nausea or abdominal discomfort.

**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:** Burning can produce smoke, carbon monoxide, and carbon dioxide.

**5.3 Advice for Fire-Fighters:**

**Special Fire Fighting Procedures:**

Exercise caution when fighting any chemical fire. Use NOISH approved self-contained breathing apparatus with a full face piece and protective clothing.

**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:**  
Material is non-hazardous and biodegradable. Small amounts may be washed with water and flushed to sewer. Or, cover with absorbent and collect for disposal. Follow all Local, State and Federal regulations.
- 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:**  
Avoid bacterial contamination. Keep working place well ventilated; no special precautions are needed under normal use conditions.
- 7.2 Conditions for Safe Storage, Including any Incompatibilities:**  
Store at room temperature in tightly sealed containers. Avoid bacterial contamination. Avoid temperatures above 40°C. 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
Amaranthus Caudatus 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>Odour:</b> Characteristic	<b>Vapor Density:</b> Not determined
<b>Odour Threshold:</b> No data available	<b>Specific Gravity:</b> Not determined
<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
<b>Flammability (solid, gas):</b> Not Applicable	<b>Explosion Properties:</b> Not available
<b>Upper/lower flammability or explosive limits:</b> Not Applicable	<b>Oxidizing Properties:</b> 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:**

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:** No data available.  
**Irritation:** HRIPT results indicate that the product is 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:** 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  
**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, state 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
<b>Canada DSL/NDSL:</b>	Not listed
<b>US TSCA</b>	Not applicable
<b>Korea KECI:</b>	Not listed
<b>China IECIC:</b>	Listed
<b>Japan ENCS:</b>	Not listed
<b>Philippine PICCS:</b>	Not listed
<b>Australia AICS:</b>	Not listed
<b>New Zealand NZIoC:</b>	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:** January 11, 2018

**SDS Revised:** May 15, 2018

**SDS Revised:** July 30, 2018 – Section 15.1 Update

**SDS Revised:** November 27, 2018 – Section 11.1 Update

**SDS Revised:** September 21, 2021 – Section 3 Update

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

Not applicable

**16.3 Legal Disclaimer**

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