

TRIGLYPHIX[®] SENSE Safety Data Sheet

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

1.1	Product Identifier:		
	Trade Name	TRIglyphix [®] Sense	
	INCI Name	Hordeum Vulgare Seed Extract	
1.2	Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:		
	Product Use:	Active ingredient in cosmetic application	
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: May 14, 2016

SDS Date of Revision: November 21, 2019

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 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

Chemical Name	CAS#	EINECS#	DSD Classification (67/548/EEC)	CLP Classification (EC) No 1272/2008	%
Hordeum Vulgare	85251-64-5	286-476-2	Not classified	Not classified	16.0-22.5
Seed Extract	05251-04-5	200-470-2	as dangerous	as hazardous	10.0-22.5
Wator	7722 10 5	7732-18-5 231-791-2	Not classified	Not classified	≥ 76.5
Water	//32-18-5		as dangerous	as hazardous	

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 eyes with copious amounts of water and observe. Consult physician if irritation persists.
Skin Contact: If irritation occurs, wash with soap and water.
Inhalation: Move to fresh air.
Ingestion: Drink 2 glasses of water. Call physician and observe for signs of illness.

- **4.2** Most Important symptoms and effects, both acute and delayed: May cause mild eye irritation. Swallowing may cause mild 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:

Use water spray, carbon dioxide, dry chemical, alcohol or universal-type foams applied by manufacturer's instructions.

 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, carbon dioxide and ammonia.

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.

TRI-K Industries, Inc. Specialties Division 2 Stewart Court, P.O. Box 10 Denville, NJ 07834, USA t (973) 298-8850 f (973) 298-8940 info@tri-k.com • www.tri-k.com



SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Ensure adequate ventilation. Wear appropriate protective clothing and equipment.

6.2 Environmental Precautions:

Non-hazardous but avoid direct releases to the environment

6.3 Methods and Material for Containment and Cleaning Up: Flush with water or cover with absorbent. Collect for disposal. Observe all applicable 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:

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 closed containers. Avoid bacterial contamination. 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:
Hordeum Vulgare Seed	No limits established	Not Available	Not Available
Extract			

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:** Wear normal work 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

TRI-K Industries, Inc. Specialties Division 2 Stewart Court, P.O. Box 10 Denville, NJ 07834, USA t (973) 298-8850 f (973) 298-8940 info@tri-k.com • www.tri-k.com



<u>Other:</u> 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:

Appearance: Clear to slightly hazy, amber liquid	Vapor Pressure: <1 mm Hg
Odor: Characteristic	Vapor Density: >1
Odor Threshold: No data available	Specific Gravity: 0.91 @ ~ 25°C
pH: 4.0-6.0	Water Solubility: Soluble
Melting Point / freezing point: Not determined	Partition coefficient: n-octanol/water:
	Not Available
Boiling Point: 101.6°C	Auto-ignition Temperature: Not Available
Flash Point (COC): >175°C	Decomposition Temperature: Not Available
Evaporation Rate: Not Applicable	Viscosity (cP): Not determined
Flammability (solid, gas): Not Applicable	Explosion Properties: None
Upper/lower flammability or explosive limits:	Oxidizing Properties: None
Not Applicable	

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

TRI-K Industries, Inc. Specialties Division 2 Stewart Court, P.O. Box 10 Denville, NJ 07834, USA t (973) 298-8850 f (973) 298-8940 info@tri-k.com • www.tri-k.com



SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Acute toxicity: No toxicity data available. Oral LD50 is anticipated to be >5 g/kg based on testing of similar materials.
Irritation: HRIPT results indicate that the product is a non-primary irritant.
Corrosivity: This is not a corrosive product.
Sensitization: HRIPT results indicate that the product is a non-primary sensitizer.
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 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:

This product is biodegradable

12.3 Bioaccumulative 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: Not Required
- 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

TRI-K Industries, Inc. Specialties Division 2 Stewart Court, P.O. Box 10 Denville, NJ 07834, USA t (973) 298-8850 f (973) 298-8940 info@tri-k.com • www.tri-k.com



SECTION 14: TRANSPORT INFORMATION

	US DOT	EU land transport (ADR/RID/ADN)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
14.1				
UN Number				
14.2	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name				
14.3				
Transport Hazard Class(es)				
14.4				
Packing Group				
14.5	Not applicable	Not applicable	Not applicable	Not applicable
Environmental Hazards				
14.6	None	None	None	None
Special Precautions for user				
14.7	Not applicable	Not applicable	Not applicable	Not applicable
Transport in bulk according to				
Annex II of MARPOL 73/78				
and the IBC Code				

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

EU EINECS/ELINCS/NLP:	Listed
Canada DSL/NDSL:	Not listed
US TSCA	Not listed
Korea KECI:	Not listed
China IECSC:	Listed
Japan ENCS:	Not Listed
Philippine PICCS:	Listed
Australia AICS:	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 on May 14, 2012

TRI-K Industries, Inc. Specialties Division 2 Stewart Court, P.O. Box 10 Denville, NJ 07834, USA t (973) 298-8850 f (973) 298-8940 info@tri-k.com • www.tri-k.com



Revised on November 17, 2012 Revised on January 13, 2013 Revised on October 1, 2014 Revised on March 16, 2016 Revised on November 15, 2016 Revised on December 15, 2017 Revised on December 28, 2017 Revised on November 21, 2019; Section 9.1 : Water Solubility

16.2 List of Relevant H and P codes (number and full text):

P402 + P404 Store in a dry place. Store in a closed container.

16.3 Other information:

None

16.4 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 subaility 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.

TRI-K Industries, Inc. Specialties Division 2 Stewart Court, P.O. Box 10 Denville, NJ 07834, USA t (973) 298-8850 f (973) 298-8940 info@tri-k.com • www.tri-k.com