

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

- 1.1 Product Identifier:**  
**Trade Name** Fision® EcoLatum S  
**INCI Name** Ricinus Communis (Castor) Seed Oil, Hydrogenated Castor Oil, Copernicia Cerifera (Carnauba) Wax
- 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) 527-3387**

**SDS Date of Preparation:** February 18, 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 substances
- 2.2 Label Elements:** Not applicable  
**Precautionary Statement:** Not applicable  
**Other Hazards:** None

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	EINECS#	%
Ricinus Communis (Castor) Seed Oil	8001-79-4	232-293-8	>70%
Hydrogenated Castor Oil	8001-78-3	232-292-2	10-30%
Copernicia Cerifera (Carnauba) Wax	8015-86-9	232-399-4	1-10%

**Additional information:** None

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of First Aid Measures:**

**Eye Contact:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Skin Contact:** Wash with plenty of water and soap.

**Inhalation:** Remove casualty to fresh air and keep warm and at rest.

**Ingestion:** Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

**4.2 Most Important symptoms and effects, both acute and delayed:**

None

**4.3 Indication of any immediate medical attention and special treatment needed:**

None

**SECTION 5: FIRE FIGHTING MEASURES**

**5.1 Suitable Extinguishing Media:**

Water, carbon dioxide

Extinguishing media which must not be used for safety reasons: None in particular

**5.2 Special Hazards Arising from the Substance or Mixture:**

Do not inhale explosion and combustion gases.

**Unusual Fire and Explosion Hazards:**

**Hazardous Decomposition Products:** Burning produces heavy smoke.

**5.3 Advice for Fire-Fighters:**

**Special Fire Fighting Procedures:**

Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

**6.2 Environmental Precautions:**

Do not allow to enter into soil/ subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose of it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand.

**6.3 Methods and Material for Containment and Cleaning Up:**

Wash with plenty of water

**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 contact with skin and eyes, inhalation of vapors and mists.  
Do not eat or drink while working with the material.  
See also section 8 for recommended protective equipment.

**7.2 Conditions for Safe Storage, Including any Incompatibilities:**

Keep away from food, drink and feed.  
Instructions as regards storage premises:  
Keep ingredient in a tightly closed container, stored in a cool, dry, ventilated area.

**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:
Ricinus Communis (Castor) Seed Oil	No limits established	Not Available	Not Available
Hydrogenated Castor Oil	No limits established	Not Available	Not Available
Copernicia Cerifera (Carnauba) Wax	No limits established	Not Available	Not Available

**8.2 Exposure Controls:**

**8.2.1 Appropriate Engineering Controls:** Ensure adequate ventilation

**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:** Suitable protective clothing

**Respiratory Protection:** Not needed for normal 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.

**8.2.3 Environmental Exposure Controls:** Non-hazardous but avoid direct releases to the environment. Follow local and federal environmental regulations.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic Physical and Chemical Properties:

<b>Appearance:</b> Semi-Transparent Gel	<b>Vapor Pressure:</b> Not applicable
<b>Odor:</b> Faint, characteristic	<b>Vapor Density:</b> Not applicable
<b>Odor Threshold:</b> Faint, characteristic	<b>Specific Gravity:</b> Not available
<b>pH:</b> Not applicable	<b>Water Solubility:</b> Insoluble in water. Soluble in oils and organic solvents
<b>Melting Point/Freezing Point:</b> 62 - 72°C (144 - 162°F)	<b>Partition coefficient: n-octanol/water:</b> Not Available
<b>Boiling Point:</b> N/A	<b>Auto-ignition Temperature:</b> > 200°C
<b>Flash Point (COC):</b> > 200°C	<b>Decomposition Temperature:</b> Not available
<b>Evaporation Rate:</b> N/A	<b>Viscosity (cP):</b> Not determined
<b>Flammability (solid, gas):</b> N/A	<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:

Stable under normal conditions

### 10.3 Possibility of Hazardous Reactions:

None known

### 10.4 Conditions to Avoid:

Stable within normal conditions

### 10.5 Incompatible Materials:

None known

### 10.6 Hazardous Decomposition Products:

Carbon dioxide and the carbon monoxide may form when heated to decomposition

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

**Acute Toxicity:** LD50- Route: oral > 20 ml/kg

**Irritation:** N/A

**Corrosivity:** No data available

**Sensitization:** HRIPT results indicate product is non-sensitizing

**Repeated Dose Toxicity:** No data available

**Carcinogenicity:** No data available

**Mutagenicity:** No data available  
**Toxicity for Reproduction:** No data available

**SECTION 12: ECOLOGICAL INFORMATION**

- 12.1 Toxicity:** No ecotoxicity data available  
**Acute (short-term) Toxicity:** LD50 – Route: Oral > 20 ml/kg  
**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 determined
- 12.4 Mobility in Soil:**  
Not determined
- 12.5 Results of PBT and vPvB Assessment:**  
Not available
- 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. Do not release to the environment

**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>	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4 Packing Group</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5 Environmental Hazards</b>	Not applicable	Not applicable	Not applicable	Not applicable

<b>14.6</b> Special Precautions for user	Not applicable	Not applicable	Not applicable	Not applicable
<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 components are listed
<b>Canada DSL/NDSL:</b>	All components are listed (DSL)
<b>US TSCA</b>	All components are listed
<b>Korea KECI:</b>	All components are listed
<b>China IECSC/IECIC</b>	All components are listed
<b>Japan ENCS:</b>	All components are listed
<b>Philippine PICCS:</b>	All components are listed
<b>Australia AICS:</b>	All components are 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 October 25, 2017  
Version 2 created on February 1, 2018  
Version 3 created on February 18, 2022

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

Not applicable

### 16.3 Legal Disclaimer

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