

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

- 1.1 Product Identifier:**
Trade Name Fision® EcoSil
INCI Name Hydrogenated Ethylhexyl Olivat, Hydrogenated Olive Oil Unsaponifiables
- 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

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#	REACH Registration No.	%
Hydrogenated Ethylhexyl Olivat	22047-49-0	244-754-0	01-2119970178-65-XXXX	>90%
Hydrogenated Olive Oil Unsaponifiables	111-01-3	203-825-6	01-2119538152-47-XXXX	<10%

Additional information: None

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: Rinse with soap and water. Get medical advice if irritation develops.

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

Ingestion: Do not under any circumstances induce vomiting. Obtain Medical evaluation immediately.

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

Not available

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

Not available

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Water, carbon dioxide, foam extinguisher

5.2 Special Hazards Arising from the Substance or Mixture:

Unusual Fire and Explosion Hazards: Do not inhale explosion and combustion gases

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:

Ensure adequate ventilation. Use chemical safety goggles for eye/face protection.

6.2 Environmental Precautions:

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

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:
Hydrogenated Ethylhexyl Olivat	No limits established	Not Available	Not Available
Hydrogenated Olive Oil Unsaponifiables	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. Launder contaminated clothing before re-use.

8.2.3 Environmental Exposure Controls: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Appearance: Clear liquid	Vapor Pressure: Not applicable
Odor: Faint	Vapor Density: Not applicable
Odor Threshold: Faint	Specific Gravity: Not available
pH: Not applicable	Water Solubility: Practically in-soluble
Melting Point/Freezing Point: Not available	Partition coefficient: n-octanol/water: Not Available
Boiling Point: N/A	Auto-ignition Temperature: Not available
Flash Point (COC): >100°C (212 °F) close cup	Decomposition Temperature: Not available
Evaporation Rate: Non- Volatile	Viscosity (cP): Not determined
Flammability (solid, gas): May be combustible at high temperature	Explosion Properties: None
Upper/Lower Flammability or Explosive Limits: Not	Oxidizing Properties: None

applicable	
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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 within 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: HRIPT results indicate product is non-irritating. EpiOcular in vitro testing indicate 10% solution is non-irritating

Corrosivity: No data available

Sensitization: No data available

Repeated Dose Toxicity: No data available

Carcinogenicity: No

Mutagenicity: No data available

Toxicity for Reproduction: No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: Adopt good working practices, so that the product is not released into the environment

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:

Hydrogenated Ethylhexyl Olivat: Readily Biodegradable OECD (2013) Test no. 301

Hydrogenated Olive Oil Unsaponifiables: Readily Biodegradable OECD (2013) Test no. 301

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)
14.1 UN Number				
14.2 UN Proper Shipping Name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport Hazard Class(s)	Not applicable	Not applicable	Not applicable	Not applicable
14.4 Packing Group	Not applicable	Not applicable	Not applicable	Not applicable
14.5 Environmental Hazards	Not applicable	Not applicable	Not applicable	Not applicable
14.6 Special Precautions for user	Not applicable	Not applicable	Not applicable	Not applicable
14.7 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:

China IECIC	Listed
EU EINECS/ELINCS/NLP:	Complies
US TSCA	Not Applicable

Germany: Water Hazard Class (Wassergefährdungsklasse): NWG; Storage Class (LGK): NH

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 19, 2017
Version 2 created on February 1, 2018
Version 3 created on March 2, 2018
Version 4 Created on May 22, 2018 (Section 9)
Version 5 Created on July 26, 2018 (Section 15.1)
Version 6 Created on November 26, 2019 (Section 3.0)
Version 7 Created on March 11, 2020 (Section 12.2)

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

Not applicable

16.3 Legal Disclaimer

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