

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

1.1 Product Identifier:

Trade Name Fision® PentaFruit V
INCI Name Water, Lactic Acid, Glycolic Acid, Vaccinium Myrtillus Fruit Extract, Saccharum Officinarum (Sugarcane) Extract, Citric Acid, Citrus Aurantium Dulcis (Orange) Fruit Extract, Citrus Limon (Lemon) Fruit Extract, Acer Saccharum (Sugar Maple) Extract, Tartaric Acid, Malic Acid.
INCI Status: Conforms

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) 527-3887

SDS Date of Preparation: March 11, 2020

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(s)

P101 If medical advice is needed, have product container or label at hand

P103 Read label before use.

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	EINECS#	%
Water	7732-18-5	231-791-2	Q.S.
Lactic Acid 88%	50-21-5	200-018-0	26.0 – 32.0
Glycolic Acid 70%	79-14-1	201-180-5	14.0 – 18.0
Vaccinium Myrtillus Fruit Extract	84082-34-8	281-983-5	5.0 – 7.0
Saccharum Officinarum (Sugarcane) Extract	91722-22-4	294-424-5	2.0 – 5.0
Citric Acid	77-92-9	201-069-1	1.0 – 3.0
Citrus Aurantium Dulcis (Orange) Fruit Extract	84012-28-2	N/A	0.5 – 1.6
Citrus Limon (Lemon) Fruit Extract	84929-31-7	284-515-8	0.5 – 1.6
Acer Saccharum (Sugar Maple) Extract	91770-22-8	294-807-7	0.1 – 1.0
Tartaric Acid (DL-)	133-37-9	205-105-7	0.05 – 0.5
Malic Acid	6915-15-7	230-022-8	< 1.0

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye Contact: Immediately flush eyes at eye wash station for 15 minutes. Remove contact lenses after the first 5 minutes, if they are still in, and continue washing. Seek medical advice.

Skin Contact: Remove contaminated clothing. Wash affected area with soap and water. Wash contaminated clothing and shoes thoroughly before reuse. If victim experiences discomfort and skin irritation or if skin is blistered, contact a physician.

Inhalation: If product vapors cause respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory

arrest occurs, start artificial respiration by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist, seek medical attention immediately.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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

The most important symptoms are labelled in Section 2.2

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

No Data Available

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Dry chemical, CO₂, 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: Carbon Oxides

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:

Do not let product enter drains. Proper disposal of product must be ensured.

6.3 Methods and Material for Containment and Cleaning Up:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers 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; wear safety glasses, gloves and lab coat. Ensure working

space is properly fitted with eye wash stations and showers in case of accidental exposure. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2.2.

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:
Fision® PentaFruit	No limits established	Not Available	Not Available

8.2 Exposure Controls: Contains no substances with occupational exposure limit values.

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 required

Hand Protection: Handle with nitrile rubber gloves. Use proper glove removal technique.

Body Protection: Long sleeved lab coat, pants, closed toed shoes

Respiratory Protection: If risk assessment shows an air-purifying respirator is necessary, use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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: Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Appearance: Clear, colorless to pale yellow liquid	Vapor Pressure: N/A
Odor: Characteristic	Vapor Density: N/A
Odor Threshold:	Specific Gravity:
pH: 4.0-5.0	Water Solubility: Soluble
Melting Point / freezing point:	Partition coefficient: n-octanol/water: No Data
Boiling Point: 105°C	Auto-ignition Temperature:
Flash Point (COC): >100°C	Decomposition Temperature:
Evaporation Rate: No Data	Viscosity (cP):
Flammability (solid, gas):	Explosion Properties: N/A
Upper/lower flammability or explosive limits: N/A	Oxidizing Properties: N/A

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal conditions. Not sensitive to static discharge.

10.2 Chemical Stability: Stable under normal conditions. Not sensitive to static discharge.

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

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Acute toxicity: Anticipated to be LD50 > 5g/kg

Irritation: Non-irritating.

Corrosivity: Not Corrosive.

Sensitization: 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: Not known or reported to be mutagenic

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 and federal environmental regulations

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 restricted (for air travel)
14.4 Packing Group				Not applicable
14.5 Environmental Hazards	Not applicable	Not applicable	Not applicable	Not applicable
14.6 Special Precautions for user	None	None	None	None
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:

Component	CAS #	EINECS #	China IECSC/ IECIC	USA TSCA	Japan ENCS	Korea KECI	Philippines PICCS	Australia AICS	Canada DSL
Water	7732-18-5	231-791-2	✓	✓		✓	✓	✓	✓
Lactic Acid 88%	50-21-5	200-018-0	✓	✓	✓	✓	✓	✓	✓
Glycolic Acid 70%	79-14-1	201-180-5	✓	✓	✓	✓	✓	✓	✓
Vaccinium Myrtillus Fruit Extract	84082-34-8	281-983-5	✓	N/A			✓	✓	✓
Saccharum Officinarum (Sugarcane) Extract	91722-22-4	294-424-5	✓	N/A			✓	✓	ICL
Citric Acid	77-92-9	201-069-1	✓	✓	✓	✓	✓	✓	✓
Citrus Aurantium	84012-28-2	N/A	✓	N/A					✓

Dulcis (Orange) Fruit Extract			IECIC						
Citrus Limon (Lemon) Fruit Extract	84929-31-7	284-515-8	✓	N/A			✓	✓	✓
Acer Saccharum (Sugar Maple) Extract	91770-22-8	294-807-7	✓ IECIC	N/A				✓	
Tartaric Acid (DL-)	133-37-9	205-105-7	✓	✓	✓	✓	✓	✓	✓
Malic Acid	6915-15-7	230-022-8	✓	✓	✓	✓	✓	✓	✓

✓ - Denotes that the substance is listed on specified inventory
N/A-Denotes that s

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 June 25, 2019

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

Not applicable

16.3 Legal Disclaimer

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