



Fruit Acid Complex

1. Chemical Product and Company Identification

Product Name: Fruit Acid Complex
Chemical Family: Mixture
Description/Use: Personal Care
Distributor: Saffire Blue Inc.
1444 Bell Mill Road
Tillsonburg, ON N4G4G9 Canada
Tel: 519-286-0295

2. Hazards Identification

OSHA Hazard Classification: Eye and skin irritant
Routes of Entry: Inhalation, skin, eyes, ingestion
Chemical Interactions: No known interactions
Medical Conditions Aggravated: Pre-existing eye disease, skin diseases including eczema and sensitization
Human Threshold Response Data: Odor Threshold: Not established
Irritation Threshold: Not Established
Hazard Ratings: HMIS **Health 2 Flammability 1 Physical/Instability 0**

Immediate (Acute) Health Effects

Inhalation Toxicity

Not expected to be toxic by inhalation. High concentrations are moderately irritating to the eyes, nose, throat, and lungs.

Skin Toxicity

Skin contact may cause moderate irritation consisting of transient redness and swelling. This irritant effect would not be expected to result in permanent damages. Not expected to be absorbed through the skin.

Eye Toxicity

Contact may cause moderate irritation consisting of transient redness, swelling, and mucous membrane discharge to the conjunctiva.

Ingestion Toxicity

Ingestion may cause irritation of the gastrointestinal tract and gastrointestinal discomfort any or all of the following symptoms: nausea, vomiting, lethargy or diarrhea. Not expected to be toxic by ingestion.

Acute Target Organ Toxicity

Eyes, skin

Prolonged (Chronic) Health Effects

Carcinogenicity

This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

Reproductive and Developmental

Toxicity Inhalation

Not known or reported to cause reproductive or developmental toxicity.

Ingestion

No known or reported effects from chronic ingestion except for effects similar to those experienced from single exposure.

Sensitization

This material is not known or reported to be a skin or respiratory sensitizer.

Chronic Target Organ Toxicity

There are no known or reported effects to humans from repeated exposure to this product.

Supplemental Health Hazard

Information

No additional health information available.

3. Composition/Information on Ingredients:

<u>CAS OR CHEMICAL NAME</u>	<u>CAS#</u>	<u>%RANGE</u>
Vaccinium Myrtillus (Bilberry) Extract	84082-34-8	
Saccharum Officianarum (Sugar Cane) Extract	91722-22-4	
Citrus Aurantium Dulcis (Orange) Fruit Extract	8028-58-6 / 84012-28-2	
Citrus Medica Limonum (Lemon) Fruit Extract	84929-31-7	
Acer Saccharum (Sugar Maple) Extract	91770-22-8	
Water	7732-18-5	

4. First Aid Measures:

Inhalation	IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult.
Skin Contact	IF ON SKIN: Immediately flush skin with plenty of water for 15 minutes. If clothing comes in contact with the product, the clothing should be removed immediately and laundered before re-use. Seek medical attention.
Eye Contact	IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart. Call a physician immediately.
Ingestion	IF SWALLOWED: Immediately drink water to dilute. Seek medical attention if symptoms develop. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flammability Summary (OSHA) Product is not known to be flammable, combustible, pyrophoric or explosive.

Flammable Properties

Flash Point	> 137°C / 278°F ASTM D92
Autoignition Temperature	None
Fire / Explosion Hazards	Material will not ignite or burn.
Extinguishing Media	Not applicable. Choose extinguishing media suitable for surrounding materials.
Protective Fire Fighting Equipment	Standard
Hazardous Combustion Products	Carbon monoxide, carbon dioxide

6. Accidental Release Measures

Personal Protection for Emergency Situations	Additional protective clothing must be worn to prevent personal contact with this material. Those items include but are not limited to boots, impervious gloves, hard hat, splash-proof goggles, impervious clothing, i.e., chemically impermeable suit, self-contained breathing apparatus.
Spill Mitigation Procedures	
Air Release	Vapors may be suppressed by the use of water fog.
Water Release	This material is soluble in water. Retain all contaminated water for removal and treatment. Notify all downstream users of possible contamination.
Land Release	Create a dike or trench to contain materials. Absorb spill with inert material (e.g., dry sand, clay, earth or commercial absorbent), then place in a chemical waste container. Contain all contaminated water for disposal and/or treatment. Do not place spill materials back in their original containers.
Additional Spill Information	Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all non-essential personnel. Dispose of spill residues per guidelines under Section 13, Disposal Consideration.

7. Handling and Storage

Handling	Do not take internally. Do not eat or drink when handling. Sterile material. Warm gently and mix well prior to using.
Storage	Store in a cool, dry and well ventilated place. Isolate from incompatible materials.
Shelf Life Limitations	Shelf Life is 1 year from date of manufacture in an unopened container. Once material is opened, material should be tested to confirm in spec.
Incompatible Materials for Storage	Refer to Section 10, "Incompatible Materials."

8. Exposure Controls/Personal Protection

Ventilation	Local exhaust ventilation or other engineering controls are normally required when handling or using this product.
<u>Protective Equipment for Routine Use of Product</u>	
Respiratory Protection	Wear a NIOSH approved respirator if levels above the exposure limits are possible. Not normally required.
Skin Protection	Wear impermeable gloves.
Eye Protection	Use chemical goggles.
Protective Clothing Type	Impervious

Exposure Limit Data

<u>CHEMICAL NAME</u>	<u>CAS#</u>	<u>Name of Limit</u>	<u>Exposure</u>
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No Data Found

9. Physical and Chemical Properties

Physical State	Liquid
Form	Solution
Color	Pale yellow
Odor	Mild, typical
Molecular Weight	Not applicable/mixture
Specific Gravity	1.24
pH	pH 4 - 5
Boiling Point	> 105°C / 221°F
Volatiles, %by vol.	50%
VOC Content	0.00 wt%/wt / 0.00 lb/gal
HAP Content	0.00 wt%/wt / 0.00 lb/gal

10. Stability and Reactivity

Stability and Reactivity Summary	Stable under normal conditions. Not sensitive to mechanical shock. Not sensitive to static discharge. Product will not undergo hazardous polymerization.
Conditions to Avoid	High temperatures
Chemical Incompatibility	Strong oxidizing agents
Hazardous Decomposition Products	Carbon dioxide, carbon monoxide
Decomposition Temperature	No data

11. Toxicological Data & Effects

<u>Product Animal Toxicity</u>	
Oral LD50 value	LD50 Believed to be > 5.0g/kg; practically non-toxic
Dermal LD50 value	LD50 Believed to be > 2.0g/kg; practically non-toxic
Inhalation LC50 value	LC50 No data

Skin Irritation	This material is expected to be severely irritating.
Eye Irritation	This material is expected to be severely irritating.
Reproductive and Developmental Toxicity	Not known or reported to cause reproductive or developmental toxicity.
Mutagenicity	Not known or reported to cause reproductive or developmental toxicity.
Carcinogenicity	This chemical is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

12. Ecological Information

Overview No data

13. Disposal Considerations

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NON HAZARDOUS WASTES.

Waste Disposal Summary	Spent or discarded material may be a hazardous waste.
Disposal Methods	As a hazardous liquid waste, it must be disposed of in accordance with local, state and federal regulations in a permitted hazardous waste treatment, storage and disposal facility by treatment or incineration.
Potential US EPA Waste Codes	Not applicable

14. Transport Information

Road (U.S. DOT):	Not regulated
Air (IATA):	Not regulated
Sea (IMDG):	Not regulated

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