

Safety Data Sheet



1. Identification

Product Code: 18029 **Formula ID:** 20.0172
Product Name: GRANNY APPLE #701
Recommended Use: Flavoring component for further processing
Supplied by: Prinova Flavors LLC
 285 E. Fullerton Avenue
 Carol Stream, IL, 60188
24 Hour Emergency Contact: Infotrac
 US / Canada: 1-800-535-5053
 International: 1-352-323-3500
Safety Data Sheet Coordinator: SDS@prinovagroup.com

2. Hazards Identification

GHS Classification

Eye Irrit. 2, Skin Irrit. 2

Symbol(s) of Product



Signal Word

Warning

GHS HAZARD STATEMENTS

Eye Irritation, category 2 H319 Causes serious eye irritation.
 Skin Irritation, category 2 H315 Causes skin irritation.

GHS LABEL PRECAUTIONARY STATEMENTS

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P362 Take off contaminated clothing.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Acetic Acid	64-19-7	2.5-10	GHS02-GHS05-GHS07	H226-312-314-332
Ethyl Hexanoate	123-66-0	2.5-10	GHS07	H315-319-335
Isopentyl Acetate	123-92-2	2.5-10	GHS02	H226
Hexenyl Cis-3 Acetate	3681-71-8	.01-2.5	No Information	No Information

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

4. First-aid Measures



FIRST AID - INHALATION: Give oxygen or artificial respiration if needed. Remove person to fresh air. If signs/symptoms continue, get medical attention.

FIRST AID - SKIN CONTACT: In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. If rash or irritation develops, consult a physician.

FIRST AID - EYE CONTACT: If material gets into eyes, flush with water immediately for 15 minutes. Consult a physician. If eye irritation persists, consult a specialist.

FIRST AID - INGESTION: If ingested, consult a physician.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.

SPECIAL FIREFIGHTING PROCEDURES: Use a self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode.

Extinguishing Media: Carbon Dioxide, Dry Chemical, Water Fog

6. Accidental Release Measures

ENVIRONMENTAL PRECAUTIONS: Contain any spills immediately and dike area to prevent spreading. Package material and dispose of as hazardous waste.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Vacuum or sweep up material and place in a disposal container. Take care to prevent airborne dust and scattering. Only trained personnel wearing protective equipment should handle spill cleanup. Avoid personal contact.

7. Handling and Storage



HANDLING: Avoid breathing dust. To reduce potential for static discharge, bond and ground containers when transferring material. Practice good caution and personal cleanliness to avoid skin and eye contact. Do not eat, drink, or smoke while handling this product. Wash hands after handling and before eating. Avoid contact with skin and clothing. Wash hands thoroughly after handling.

STORAGE: Keep container tightly closed when not in use.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Ethyl Hexanoate	N.E.	N.E.	N.E.	N.E.
Acetic Acid	10 ppm	15 ppm	10 ppm	N.E.
Isopentyl Acetate	50 ppm	100 ppm	100 ppm	N.E.
Hexenyl Cis-3 Acetate	N.E.	N.E.	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

Personal Protection



RESPIRATORY PROTECTION: Atmospheric levels should be maintained below exposure limits using ventilation. Use NIOSH approved full face respirator with multi purpose combination cartridge and N95 filter as a backup to engineering controls. If the respirator is the sole means of protection, use a NIOSH approved full face supplied air respirator.



SKIN PROTECTION: Chemical-resistant gloves and safety glasses and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.



EYE PROTECTION: Eye Protection is recommended. Use goggles or safety glasses.



OTHER PROTECTIVE EQUIPMENT: Use good hygiene practices. Wash face and hands before eating, drinking, and smoking. Eye wash and safety showers should be readily available.



HYGIENIC PRACTICES: Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited. Wash hands and face before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance:	White, Off White Powder	Physical State:	Powder
Odor:	Fruity	Odor Threshold:	Not Measured
Density, g/cm³:	1.002	pH:	Not Measured
Freeze Point, °C:	Not Measured	Viscosity:	Not Applicable
Soluble in Water:	Not Measured	Partition Coefficient, n-octanol/water:	Not Applicable
Decomposition temperature, °C	Not Measured		
Boiling Range, °C:	Not Applicable	Explosive Limits, %:	Not Measured
Combustibility:	Supports Combustion	Flash Point, °C:	201
Evaporation Rate:	Not Applicable	Auto-Ignition Temperature, °C	Not Measured
Vapor Density:	Not Measured	Vapor Pressure, mmHg:	Not Applicable

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Moisture, exposure to light and air.

INCOMPATIBILITY: None known

HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products are known.

11. Toxicological Information



Practical Experiences

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Direct skin contact may cause irritation.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Mist and vapors may cause eye irritation. Direct eye contact may cause irritation.

EFFECT OF OVEREXPOSURE - INGESTION: May be harmful if swallowed. May cause nausea, vomiting, and diarrhea.

CARCINOGENICITY: No Information

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
64-19-7	Acetic Acid	3310 mg/kg Rat	1060 mg/kg Rabbit	11.4 mg/L Rat
123-92-2	Isopentyl Acetate	16683	5025	99999
3681-71-8	Hexenyl Cis-3 Acetate	5000 mg/kg Rat	5000 mg/kg Rabbit	N.I.

N.I. = No Information

12. Ecological Information

ECOLOGICAL INFORMATION: This product has no known eco-toxicological effects.

13. Disposal Information



Product

DISPOSAL METHOD: Dispose of material in accordance with applicable federal, state and local regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Vacuum or sweep up material and place in a disposal container. Take care to prevent airborne dust and scattering. Only trained personnel wearing protective equipment should handle spill cleanup. Avoid personal contact.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No Information

DOT Proper Shipping Name:	No Information	Packing Group:	No Information
DOT Technical Name:	No Information	Hazard SubClass:	No Information
DOT Hazard Class:	No Information	Resp. Guide Page:	No Information
DOT UN/NA Number:	No Information		

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

None Known

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

U.S. State Regulations:

NEW JERSEY RIGHT-TO-KNOW:

The following hazardous materials are among the components in this product.

<u>Chemical Name</u>	<u>CAS-No.</u>
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product where instructions and recommendations are not followed.