



Amoretti® ART #31 NS

1: IDENTIFICATION

Product Identifier Used on the Label: Amoretti® ART #31 NS
 Recommended Use: Culinary Ingredient
 Other Means of Identification: Natural Pomegranate Artisan Flavor
 Restrictions on use: None

Manufacturer/Supplier

Amoretti®
 Noushig Inc.
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 Oxnard, CA 93030
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24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC : (800) 424 - 9300
Outside the U.S. Call Collect : 001 (703) 527-3887

2. HAZARD IDENTIFICATION

Classification in accordance with paragraph (d) of 1910.1200: This product is considered hazardous in accordance with paragraph (d) of 1910.1200 (Hazard Communication).

GHS Classification: Serious Eye Damage/Eye Irritation Category 2A

GHS Signal Word: Warning

GHS Hazard Symbol:



GHS Hazard Phrases: H319 - Causes serious eye irritation.

GHS P-Phrases (Safety): P264 - Wash thoroughly after handling.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS P-Phrases (First Aid): 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.

Other Hazards: None known

Hazards Not Otherwise Classified: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients			
Malic Acid	Serious Eye Damage/Eye Irritation Category 1;	~2%	97-67-6
Ethyl Alcohol	Eye Irritation Category 2B; Skin Irritation Category 2; Flammable Liquid Category 2	<2%	64-17-5

See Section 8 for Exposure Limits

4. FIRST AID MEASURES

Description of first aid measures:

Following eye contact: Immediately flush eyes with plenty of water. Remove contact lenses if present and easy to do so. Get medical attention, if irritation persists.

Following skin contact: Wash with soap and water. If irritation persists, seek medical assistance.

Following ingestion: May cause transient irritation to the mouth, throat, and stomach when ingested in its concentrated form

Following inhalation: Remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.

Most important symptoms and effects, both acute and delayed:

Causes eye irritation.

5. FIRE FIGHTING MEASURES

Extinguishing media: In case of fire: Use extinguishing media suitable for the surrounding fire.

Special hazards arising from the substance or mixture: None known

Advice for firefighters: As in any fire, wear self-contained breathing apparatus operated in pressure-demand mode, (NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes. If handling large quantities in an industrial setting and splashing is possible, wear snug-fitting safety goggles. Wash thoroughly after handling.

Environmental precautions

As with all chemicals, use good chemical hygiene and environmental stewardship practices.

Methods and material for containment and cleaning up Clean up spills immediately. Absorb spill with inert material and place in appropriate container for disposal. Residue left on floors presents a serious slip hazard. Do not walk through spilled material. Clean spill area with hot, soapy water. Dry thoroughly.

Reference to other sections Refer to Section 8, Exposure Control/Personal Protection.

7. HANDLING AND STORAGE

Precautions for safe handling: Use with adequate ventilation. Follow good manufacturing practice (GMP) for housekeeping and personal hygiene. Avoid inhalation of vapors. Avoid contact with eyes.

Precautions for safe storage, including any incompatibilities: Store in original shipping container and keep tightly sealed. Store in a cool, dry, well-ventilated area away from strong oxidizers. Protect from heat, spark, static discharge or other sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

HAZARDOUS COMPONENTS

Chemical Name		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
		ppm	mg/m ³	ppm	mg/m ³
Ethanol	TWA	1000	1900	1000*	1880*
Malic Acid	TWA	NE	NE	NE	NE

PEL = Permissible Exposure Limit; AL = Action Limit; NE = Not Established; RD = Respirable Dust; STEL = Short Term Exposure Limit; TD = Total Dust; TLV = Threshold Limit Value

*Ceiling or STEL

Exposure Controls: Good general ventilation should be sufficient to control airborne levels.

Individual control measures:

Eyes/Face protection: If handling large quantities in an industrial setting and splashing is possible, wear appropriate eye protection.

Skin protection: Use of good chemical hygiene practices in the workplace is required.

Respiratory protection: This mixture has not been tested as a whole. The hazards stated and related recommendations for Personal Protective Equipment are based on currently available information on the individual ingredients in the mixture.

Employers are urged to review information provided by the National Institute of Occupational Safety and Health (NIOSH) and the Flavor and Extract Manufacturers Association (FEMA) regarding respiratory protection programs for workers exposed to food flavorings. If occupational exposures are above permissible limits, a NIOSH approved respirator designated to control organic vapors is recommended. A respiratory protection program that meets OSHA 1910.134 requirements must be followed whenever workplace conditions warrant a respirator's use. Additionally, the recommendations found in the following documents are applicable to all chemicals used in the workplace:

"Preventing Lung Disease in Workers Who Use or Make Flavorings" NIOSH Publication No. 2004-110

"Respiratory Health and Safety in the Flavor Manufacturing Workplace" FEMA, 2012

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Color: Reddish

Odor: characteristic

Odor threshold: not determined

Flashpoint: >200°F

pH: not determined

Percent volatile: ~2%

Vapor pressure: not determined

Vapor density (air = 1): not determined

Relative Density (water = 1): not determined

Boiling point: not determined

Solubility (water): soluble

Melting point: not determined

Evaporation rate (water = 1) : >1

Viscosity: not determined

Lower explosion limit: not determined

Upper explosion limit: not determined

Autoignition temperature: Not determined

Partition coefficient n-octanol/water: Not determined

Flammability (solid/gas): not applicable

Oxidizing properties: None

10. STABILITY AND REACTIVITY

Reactivity: Hazardous polymerization will not occur.

Chemical stability: This product is stable when properly handled and stored.

Possibility of hazardous reactions: None known

Conditions to avoid: Store away from heat, flame, other sources of ignition.

Hazardous decomposition products: CO, CO₂, and hydrocarbons

Incompatible materials: Strong bases

11. TOXICOLOGICAL INFORMATION

Routes of entry: eye contact, skin contact, vapor inhalation, ingestion.

Symptoms of overexposure: Causes eye irritation

Description of immediate effects:

Chemical Name	Inhalation LC ₅₀	Dermal LD ₅₀	Oral LD ₅₀
Malic Acid	>1306 mg/L (calculated) 4H (rat)	>2000 mg/kg (rabbit)	3500 mg/kg (rat)
Ethyl Alcohol	>20,000 ppm/10H (mouse)		>7060 mg/kg (rat)

Skin Corrosion/Irritation: Does not meet classification criteria.

Serious Eye Damage/Irritation: Toxicological data of complete product not available. Based on the available information from our supplier, the classification criteria are fulfilled. Causes serious eye irritation. Calculation method.

Respiratory or Skin Sensitization: Does not meet classification criteria.

STOT - Specific Target Organ Toxicity - Single Exposure: Does not meet classification criteria.

Description of delayed effects:

Chemical Name	NTP STATUS	IARC STATUS	OSHA STATUS
Malic Acid	Not Listed	Not Listed	Not Listed
Ethyl Alcohol	Not Listed	Not Listed - for occupational exposures	Not Listed

Reproductive Toxicity: Not known or reported to cause reproductive harm.

Germ Cell Mutagenicity: Not reported to be or known to be a mutagen.

STOT - Specific Target Organ Toxicity - Repeat Exposure: Does not meet classification criteria.

Comments: This product has not been tested on animals. The toxicological information has been taken from available literature on the components

13. DISPOSAL CONSIDERATIONS

Toxicity: No data available

12. ECOLOGICAL INFORMATION

Disposal method: Dispose of this product in accordance with all applicable local, state, and federal regulations. US EPA guidelines for classification determination are listed in 40 CFR Part 261.3. Processing, use, contamination or removal process may change waste management options. State and local disposal regulations may differ from federal disposal regulations. It is the generator's responsibility to properly classify their wastes.

14. TRANSPORTATION INFORMATION

DOT (Department of Transportation)

Proper Shipping Name: Not regulated

IATA (International Air Transport Authority)

Proper Shipping Name: Not regulated

IMO (International Maritime Organization)

Proper Shipping Name: Not regulated

15. REGULATORY INFORMATION

United States

SARA Title III (Superfund Amendment and Reauthorization Act)

311/312 Hazard Categories: Serious Eye Damage/Eye Irritation Category 2A

16. OTHER INFORMATION

Revision summary: New SDS

Revision Date: 06/07/2019

Manufacturer disclaimer: The information presented herein is believed to be accurate and is given in good faith but is not warranted. No warranty, express or implied, is made. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of this product and the safety and health of employees.

This product is a mixture of several components. Hazard determination is based on information currently available on the components of the mixture. Since hazardous and toxicological effects of the mixture are not fully known, the material may present unknown hazards and appropriate precautions for exposures in the workplace should be taken.

End of MSDS