

# SAFETY DATA SHEET



SDS Ref. No:

A1855

## Amoretti® 1412

### 1: Identification

Product Identifier Used on the Label: Amoretti® 1412

Recommended Use: Culinary Ingredient

Other Means of Identification: Natural Cloudberry Extract W.S.

#### 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: Hazards Identification

**Classification of the chemical substance in accordance with paragraph (d) of §1910.1200:**

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

**GHS Classification:** Skin Sensitization Category 1  
Flammable Liquid Category 3

**GHS Signal Word:** Warning

**GHS Hazard Symbol:**



**GHS Hazard Statements:** H317 - May cause an allergic skin reaction.  
H226 - Flammable liquid and vapor

**Precautionary Statements (Safety):** P261 - Avoid breathing mist/vapors/spray.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P243 - Take precautionary measures against static discharge.  
P242 - Use only non-sparking tools.  
P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.  
P240 - Ground/bond container and receiving equipment.  
P233 - Keep container tightly closed.  
P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

**Precautionary Statements (First Aid):** P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.  
P370+P378 - In case of fire: Use carbon dioxide, dry chemical, alcohol-resistant foam or water fog for extinction.

**Precautionary Statements (Disposal):** P501 - Dispose of contents/container in accordance with local/regional/national/ international regulation for hazardous wastes.

**Precautionary Statements (Storage):** P403+P235 - Store in a well-ventilated place. Keep cool.

P233 - Keep container tightly closed.

**Other Hazards:** Ingestion of large quantities may cause narcotic affects.

### 3: Composition/information on ingredients

Hazardous Ingredients	GHS Classification	Wt.%	CAS#
Ethyl Alcohol	Flammable Liquid Category 2; Serious Eye Damage/Eye Irritation Category 2B; Skin Corrosion/Irritation Category 2	Proprietary	64-17-5
Ethyl Acetate	Serious Eye Damage/Eye Irritation Category 2A Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3	Proprietary	141-78-6
Proprietary Flavor Component	Skin Sensitization Category 1, Serious Eye Irritation Category 2A	Proprietary	Proprietary

See Section 8 for Exposure Limits

**Comments:** The composition range for this product is claimed as a trade secret under the OSHA Hazard Communication Standard. The hazards of this (s) are these) ingredient given on this SDS.

### 4: First aid measures

#### Description of first aid measures

Following eye contact: If irritation occurs, flush eyes with plenty of water. Get medical attention, if irritation persists.

Following skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Launder clothing before reuse.

Following ingestion: Do not induce vomiting. If large quantities are ingested or if you feel unwell, call your local Poison Control Center (1-800-222-1222 in the U.S) or a physician.

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

#### Potential effects of overexposure:

May cause transient eye irritation. May cause an allergic skin rash. Ingestion of large quantities may cause narcotic effect.

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

No additional first aid information available

### 5: Firefighting measures

**Extinguishing media:** In case of fire: Use carbon dioxide, dry chemical, alcohol-resistant foam or water fog for extinction

**Special hazards arising from the mixture:** Flammable liquid and vapor. Store away from heat, sparks, or other sources of ignition. Keep container tightly closed when not in use. No smoking. Keep container tightly closed when not in use.

**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:** Wear gloves and long sleeves. Wash thoroughly after handling.

**Environmental precautions:** As with any spill, follow sound environmental management practice and chemical hygiene procedures. Do not flush to sewer. Clean up spills immediately.

**Methods and material for containment and cleaning up:** Flammable. Ventilate spill area. Clean up spills immediately. Protect from heat, spark, and other sources of ignition. Absorb spill with inert material (e.g. dry sand, clay) then place in appropriate container for disposal. Cover tightly. Residue left on floors presents a serious slip hazard. 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.** Avoid contact with eyes. Avoid contact with skin. Keep away from open flame and other sources of ignition. Follow good manufacturing practice (GMP) for housekeeping and personal hygiene. Avoid inhalation of concentrated vapors.

**Conditions for safe storage, including any incompatibilities:** Follow storage requirements for flammable liquids, Category 3, as described in 29 CFR 1910.106 or similar best practice. Store in original shipping container and keep tightly sealed. Store in a cool, dry, well-ventilated area away from incompatible substances. 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethyl Alcohol	TWA	1000	1900	1000*	1880*
Ethyl Acetate	TWA	400	1440	400	1440
Proprietary Flavoring Component	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:

Appropriate engineering controls: Good general ventilation should be sufficient to control airborne levels. A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OELs)

### Individual protection measures:

Eye/Face protection: Follow facility guidelines.

Skin protection: Use of good chemical hygiene practices in the workplace is required. Wear gloves and long sleeves to prevent prolonged or repeated skin contact. Wash thoroughly after use. Launder clothing before reuse.

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

Odor: characteristic

Color: clear

Odor Threshold: not determined

pH: not determined

Amoretti® 1412

Percent volatile: <10%  
 Vapor pressure: not determined  
 Vapor density: not determined  
 Relative density: <1.00  
 Boiling point: >95 °F  
 Melting point: not determined  
 Evaporation rate (water = 1): not determined  
 Solubility in water: soluble  
 Oxidizing properties: None  
 Flashpoint: >100 °F  
 Flammability: not applicable  
 Viscosity: not determined  
 Autoignition temperature: not determined  
 N-octanol/water partition coefficient: not determined  
 Explosion limits, lower: not determined  
 Explosion limits, upper: not determined

## 10. Stability and reactivity

**Reactivity:** Hazardous polymerization will not occur  
**Chemical stability:** This material is stable when properly handled and stored.  
**Possibility of hazardous reactions:** none known  
**Conditions to avoid:** overheating, flame, other sources of ignition.  
**Incompatible materials:** Strong acids, bases, and oxidizers.  
**Hazardous decomposition materials:** carbon monoxide, carbon dioxide, hydrocarbons, smoke

## 11. Toxicological information

**Route(s) of exposure:** eye contact, skin contact, ingestion, inhalation  
**Signs and symptoms of overexposure:** Contact may cause transient eye irritation. May cause an allergic skin rash.

### Description of immediate effects:

Chemical Name	Inhalation LC50 (rat)	DERMAL LD50 (rabbit)	ORAL LD50 (rat)
Ethyl Alcohol	20,000 ppm/10H		7060 mg/kg (rat)
Ethyl acetate	45,000 mg/m <sup>3</sup> /10H	>18,000 mg/kg	5620 mg/kg

**Serious eye damage/irritation:** Based on data from components, classification criteria is not met  
**Skin corrosion/irritation:** Based on data from components, does not meet classification criteria.  
**Reproductive effects:** Does not contain any component which meets classification criteria.

### Description of delayed effects:

#### Carcinogenicity:

Chemical Name	NTP STATUS	IARC STATUS	OSHA STATUS
Ethyl Alcohol	Not Listed	Not listed for industrial exposures	Not Listed

Ethyl acetate	Not Listed	Not Listed	Not Listed
Proprietary Flavoring Component	Not Listed	Not Listed	Not Listed

**Mutagenicity:** Not expected or known to be a mutagen.

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

## 12. Ecological information

**Environmental data:** not determined

## 13. Disposal Considerations

**DISPOSAL METHOD:** Dispose of this product in accordance with all applicable local, state, and federal regulations. This material may exhibit flammability characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. 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)

Not regulated when shipped domestically by ground in non-bulk packages

### IATA (International Air Transport Authority)

Proper Shipping Name: Extracts, flavoring liquid

PRIMARY HAZARD CLASS/DIVISION: 3

UN / NA NUMBER: UN1197

PACKING GROUP: III

## 15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Flammable Liquid Category 3; Skin Sensitizer Category 1

## 16. OTHER INFORMATION

**Revision Summary:** New SDS

**Revision Date:** 08/24/2019

**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 SDS**