

# SAFETY DATA SHEET

Date-Issued 07/15/2014  
SDS Ref. No: A1374



## Amoretti® 510

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

**Product Identifier Used on the Label:** Amoretti® 510  
**Recommended use:** Culinary Ingredient  
**Other means of identification:** Boysenberry Extract Natural W.S.

**Manufacturer/Supplier**

Amoretti®  
Noushig Inc.  
451 Lombard Street  
Oxnard, CA 93030  
**Phone: 1-800-AMORETTI**  
**Phone: 1-805-983-2903**  
EMAIL: [info@amoretti.com](mailto:info@amoretti.com)  
WEBSITE: [www.amoretti.com](http://www.amoretti.com)

**24 HR. Emergency Response Numbers:**

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

### SECTION 2: Hazards Identification

GHS Classification: This product is not hazardous according to the classification criteria of the GHS (Globally Harmonized System for Classification and Labeling).

GHS Signal Word: None

#### 2.2. Label elements

GHS Hazard Symbols: None

GHS P-Phrases (Safety): None

GHS P-Phrases (First Aid): None

### SECTION 3: Composition/information on ingredients

Ingredient(s)
No hazardous ingredients subject to disclosure

### SECTION 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: Wash with soap and water.

Following ingestion: Normally not needed. 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: No adverse effects expected. If irritation occurs, remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.

**Potential effects of overexposure:**

May cause transient, mild eye irritation.

**SECTION 5: Firefighting measures**

General hazard: Product is not flammable. Product may burn in a fire.

Extinguishing media: Use extinguishing media appropriate for surrounding fire.

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

**SECTION 6: Accidental release measures**

Small spill: Absorb spill then place in appropriate container for disposal. Residue left on floors presents a slip hazard. Do not walk through spilled material. Clean spill area with hot, soapy water. Dry thoroughly.

Large spill: Use same methods described for small spills.

Special protective equipment: Refer to Section 8, Exposure Control/Personal Protection.

**SECTION 7: Handling and storage**

**Precautions for safe handling**

Use with adequate ventilation. Follow good manufacturing practices (GMP) for housekeeping and personal hygiene.

**Conditions for safe storage, including any incompatibilities**

No special precautions required.

**SECTION 8: Exposure controls/personal protection**

**Control parameters:**

	EXPOSURE LIMITS			
	OSHA PEL		ACGIH TLV	
Chemical Name	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
No hazardous ingredients subject to disclosure	TWA	[1]	[1]	

**TABLE COMMENTS**

- 1. Not applicable

**Exposure Controls:**

Appropriate engineering controls: Use good general ventilation or local exhaust ventilation to minimize employee exposure and maintain operator comfort.

**Individual control measures:**

Eyes/Face protection: Follow facility guidelines

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

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/acid 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, 2003

### SECTION 9: Physical and chemical properties

Physical state: Liquid

Color: colorless

Odor: fruity

Odor threshold: not determined

Flashpoint: >200 °F

Upper and Lower Explosion Limits: not determined

Autoignition Temperature: ~ 371 °C (699.8 °F)

pH: not determined

Vapor pressure: < 0.1 mm Hg @ 25 °C (77 °F)

Vapor density (air = 1): ~ 2.6 @ ~ 15 - 32 °C (59 - 89.6 °F) (Air = 1.0)

Relative Density (water = 1): ~ 1.04 @ 25 °C (77 °F)

Boiling point: 102-107°C

Solubility (water): Soluble

Melting point: ~32F

Evaporation rate: 0.01 (butyl acetate = 1)

Viscosity: ~ 46 mPa.s @ 25 °C (77 °F) (Brookfield).

Flammability: not applicable

N-octanol/water partition coefficient: ~ -0.92

Oxidizing properties: None

### SECTION 10: Stability and reactivity

Stable: Yes

Hazardous polymerization: No

Hazardous combustion products: CO, CO2, smoke

Materials to avoid: Strong acids, bases, and oxidizers.

### SECTION 11: Toxicological information

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

Symptoms of overexposure: Contact may cause mild, transient eye irritation.

#### Description of immediate effects:

Chemical Name	ORAL LD <sub>50</sub>	DERMAL LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Proprietary components	>20000 mg/kg (rat) est	>20000 mg/kg (rabbit) est	Not determined

**Sensitization:** Not expected to cause sensitization by skin contact, however hypersensitivity is possible with some sensitive individuals following topical application.

**Description of delayed effects:**

**Genotoxicity:** Negative for genotoxicity both in vitro and in vivo tests.

**Carcinogenicity**

Chemical Name	NTP STATUS	IARC STATUS	OSHA STATUS
Proprietary components	Not Listed	Not Listed	Not Listed

**SECTION 12: Ecological information**

Environmental data: No harmful effects expected.

Acute toxicity to fish

LC50 / 96 HOUR fathead minnow 51,400 mg/l

LC50 / 96 HOUR salmon 51,600 mg/l

Acute toxicity to aquatic invertebrates

EC50 / 48 HOUR Daphnia magna. 43,500 mg/l

EC50 / 48 HOUR saltwater mysid. 27,300 mg/l

**SECTION 13: Disposal considerations**

Disposal method: This product, if discarded as sold, is not known to be a Federal RCRA hazardous waste. 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 wastes.

**SECTION 14: Transport 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

**SECTION 15: Regulatory information**

United States

SARA Title III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories:

Fire: NO Pressure Generating: NO Reactivity: NO Acute: NO Chronic: NO.

**SECTION 16: Other information**

REVISION SUMMARY: New SDS

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.