SAFETY DATA SHEET

SDS Ref. No: A1395

Amoretti® 1209

1: Identification

Product identifier used on the label: **Amoretti® 1209**
Other means of identification: Cola Extract W.S.
Recommended use of the chemical: Culinary Ingredient
Restrictions on use: None known

Supplier of the Safety Data Sheet
Amoretti®
Noushig Inc.
451 Lombard Street
Oxnard, CA 93030
Phone: 1-800-AMORETTI
Phone: 1-805-983-2903
EMAIL: info@amoretti.com
WEBSITE: www.amoretti.com

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

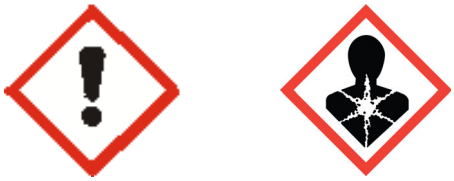
2: Hazards Identification

Classification of the chemical substance in accordance with paragraph (d) of §1910.1200: This product is considered to be hazardous in accordance with paragraph (d) of §1910.1200 (Hazard Communication).

GHS Classification:
Skin Sensitization Category 1
Carcinogenicity Category 1B
Germ Cell Mutagen Category 2

GHS Signal Word: Danger

GHS Hazard Symbol:



GHS Hazard Statements:
May cause cancer.
Suspected of causing genetic defects.
May cause an allergic skin reaction.

Precautionary Statements (Safety):
Do not handle until all safety precautions have been read and understood.
Obtain special instructions before use.
Contaminated work clothing should not be allowed out of the workplace.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements (First Aid):
IF exposed or concerned: Get medical advice/attention.
IF ON SKIN, wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.

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

Precautionary Statements (Storage) Store locked up. Store away from children.

Other Hazards: None known

Hazards Not Otherwise Classified: None

3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	GHS Classification	Wt.%	CAS#
Lime Oil	Flammable Liquids (Category 3); Skin Sensitization (Category 1); Skin Irritation (Category 2); Aspiration Toxicity (Category 1)	1.5 – 2.5	8008-26-2
Lemon Oil	Flammable Liquids (Category 3); Skin Sensitization (Category 1); Skin Irritation (Category 2); Aspiration Toxicity (Category 1)	1.5 – 2.5	8008-56-8
Cassia Oil	Flammable Liquids (Category 4); Skin Sensitization (Category 1); Mutagenicity (Category 2); Skin Irritation (Category 2); Acute Toxicity, Oral (Category 3)	<2	8007=80-5
Citral	Flammable Liquids (Category 4); Skin Sensitization (Category 1); Skin Irritation (Category 2)	<0.5	5392-40-5
Nutmeg Oil	Flammable Liquids (Category 3); Skin Sensitization (Category 1); Carcinogenicity (Category 1B); Mutagenicity (Category 2); Skin Irritation (Category 2); Specific Target Organ Toxicity, Repeat Dose (Category 2); Specific Target Organ Toxicity, Single Dose (Category 3)	<0.5	8008-45-5

4: First aid measures

Description of first aid measures

Following eye contact: Flush eyes with water. Get medical attention, if irritation persists.

Following skin contact: IF ON SKIN, wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Following ingestion: None required.

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

Potential effects of overexposure:

May cause allergic skin rash.

5: FIRE FIGHTNG MEASURES

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

Special hazards arising from the mixture: Product may burn in a fire.

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. Launder contaminated clothing before reuse.

Environmental precautions: As with any spill, follow sound environmental management practice and chemical hygiene procedures. Clean up spills immediately.

Methods and material for containment and cleaning up: Absorb spill then place in appropriate container for disposal. Spill material may make floors extremely slippery. This may cause a serious slip hazard. Clean up spills immediately. Wash 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 skin. Follow good manufacturing practice (GMP) for housekeeping and personal hygiene. Avoid inhalation of concentrated vapors. Wash thoroughly after handling. Launder contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities: Store locked up and away from children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Hazardous Components

		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m³	ppm	mg/m³
Lime Oil	**TWA**	NE	NE	NE	NE
Lemon Oil	**TWA**	NE	NE	NE	NE
Cassia Oil	**TWA**	NE	NE	NE	NE
Citral	**TWA**	NE	NE	5 (IFV)	32 (IFV)
Nutmeg Oil	**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

Exposure Controls:

Appropriate engineering controls: Good general ventilation should be sufficient to control airborne levels.

Individual protection measures:

Eye/Face protection: Follow facility guidelines. 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

Appearance:	Clear to opaque liquid
Odor:	Characteristic
Odor Threshold:	Not Determined
pH:	Not Determined
Melting Point/Freezing Point (°F):	Not Determined
Initial Boiling Point and Boiling Range:	Not Determined
Flash Point:	>200 °F
Evaporation Rate (water = 1):	Not Determined
Flammability (solid/gas):	Not Applicable
Lower Explosive (Flammable) Limit:	Not Applicable
Upper Explosive (Flammable) Limit:	Not Applicable
Vapor Pressure:	Not Determined
Vapor Density (Air=1):	>1
Relative Density (water = 1):	Not Determined
Solubility (water):	Insoluble
Partition Coefficient: n-octanol/water:	Not Determined
Autoignition Temperature (°F):	Not Determined
Decomposition Temperature:	Not Determined
Viscosity (B-type viscometer @ 60 rpm)**:**	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: none known

Incompatible materials: strong oxidizers

Hazardous decomposition products: smoke, oxides of carbon

11. TOXICOLOGICAL INFORMATION

Description toxicological (health) effects and the available data used to identify those effects:

Routes of Entry: Skin contact; Eye contact; Process Vapor/Dust Inhalation.

Symptoms related to the physical, chemical and toxicological characteristics:
May cause allergic skin rash.

Delayed and immediate effects and chronic effects from short- and long-term exposure:

Acute Toxicity Estimates:

	Numerical Values of Toxicity		
	ORAL LD_{50} (rat)	**DERMAL LD_{50} (rabbit)**	**Inhalation LC_{50} (rat)**
Lime Oil	>5 mg/kg	>5 mg/kg	
Lemon Oil	2840 mg/kg	>2000 mg/kg	
Cassia Oil	2800 mg/kg		
Citral	4960 mg/kg	2550 mg/kg	
Nutmeg Oil	2620 mg/kg		

Skin Corrosion/Irritation: Does not meet classification criteria

Serious Eye Damage/Irritation: Does not meet classification criteria.

Respiratory or Skin Sensitization: Based on the available information from supplier(s), the classification criteria are fulfilled. May cause allergic skin reaction. Calculation method.

Reproductive Toxicity: Does not meet classification criteria.

Germ Cell Mutagenicity: Based on the available information from supplier(s), the classification criteria are fulfilled. Suspected of causing genetic defects Calculation method.

STOT – single exposure: Does not meet classification criteria.

STOT – repeated exposure: Does not meet classification criteria.

Carcinogenicity Listings by IARC, NTP, or OSHA

IARC	NTP	OSHA
Not listed	Not listed	Not listed

Carcinogenicity Comments: Based on the available information from supplier(s), the classification criteria are fulfilled. May cause cancer. Calculation method.

Section Comments: This product has not been tested in animal experiments. The data has been taken from available literature on the components.

12. ECOLOGICAL INFORMATION

Environmental data: No data available

13. DISPOSAL CONSIDERATIONS

Disposal method: Dispose of this product in accordance with all applicable local, state, and federal regulations.

14. TRANSPORATION 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 AMENDMENTS AND REAUTHORIZATION ACT)

311/312 Hazard Categories: Skin Sensitization Category 1; Carcinogenicity Category 1B; Germ Cell Mutagen Category 2

16. OTHER INFORMATION

Date Issued: 03/14/2020

Revision Summary: Revision #1. This SDS replaces document dated 10/07/2014

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