

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

**1.1. Product identifier**

Product form : Mixture  
 Product name : **Enzyme Deodorizer Pina Colada**  
 Product code : 11192

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture : Enzyme Odor Control

**1.3. Details of the supplier of the safety data sheet**

Flo-Kem  
 19402 Susana Rd.  
 Rancho Dominguez, CA 90221 - USA T  
 310-632-7124 - F 310-631-7496  
<http://www.flo-kem.com>

**1.4. Emergency telephone number**

Emergency number : CHEMTEL: 800-255-3924

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**GHS-US classification**

Skin Sens. 1 H317

Full text of H statements : see section 16

**2.2. Label elements**

**GHS-US labeling** Hazard pictograms :



GHS07

Signal word : Warning  
 Hazard statements : May cause an allergic skin reaction.  
 Precautionary statements : Avoid breathing mist, vapors.  
 Contaminated work clothing must not be allowed out of the workplace.  
 Wear protective gloves, eye protection.  
 If on skin: Wash with plenty of water.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 Take off contaminated clothing and wash it before reuse.  
 Dispose of contents/container in accordance with Local, State, and Federal regulations.

**2.3. Hazard not otherwise classified (HNOC)**

No additional information available

**2.4. Unknown acute toxicity (GHS US)**

No data available

**SECTION 3: Composition/Information on ingredients**

**3.1. Substances**

Not applicable

(NOTE: If component displays the \* (asterisk) symbol, the following statement applies.)

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret Full text of H-phrases: see section 16

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### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Viable Bacteria Cultures		15 - 20	Skin Sens. 1, H317
tertiary-octylphenoxypoly(ethoxyethanol)	(CAS No) 9036-19-5	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319

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Name	Product identifier	%	GHS-US classification
coumarin	(CAS No) 91-64-5	0.1 - 1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373

(NOTE: If component displays the \* (asterisk) symbol, the following statement applies.)

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Symptoms/injuries after skin contact	: Contact during a long period may cause slight irritation. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: May cause slight irritation.
Symptoms/injuries after ingestion	: FOLLOWING SYMPTOMS MAY APPEAR LATER: Irritation of the gastric/intestinal mucosa. Nausea.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Sand/earth. Alcohol-resistant foam. BC powder. Carbon dioxide. Dry chemical powder. Water spray.
Unsuitable extinguishing media	: No unsuitable extinguishing media known.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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Other information : No additional information available.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Isolate from fire, if possible, without unnecessary risk.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapor. Do not get in eyes, on skin, or on clothing. Avoid breathing mist or vapors.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Incompatible products : Strong bases. Strong acids.

Storage area : Store in a cool, dry well-ventilated area. Keep container tightly closed when not in use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No data available

#### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Other information : When using, do not eat, drink or smoke.

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### SECTION 9: Physical and chemical properties

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### 9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Color	:	
Odor	:	Hazy
Odor threshold	:	Pina colada
pH	:	No data available
Melting point	:	7 - 8
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Relative evaporation rate (butyl acetate=1)	:	> 200 °F
Flammability (solid, gas)	:	No data available
Explosion limits	:	Not flammable
	:	No data available
Vapor pressure	:	No data available
Vapor density	:	No data available
Specific Gravity @ 77° F	:	0.994 - 1.014
Solubility	:	
	:	Water: Complete
Partition Coefficient n-Octanol-Water	:	
	:	No data available
Auto-ignition temperature	:	
	:	No data available
Decomposition temperature	:	
	:	No data available
Viscosity	:	
	:	No data available

### 9.2. Other information

VOC content : < 5 g/l CARB VOC

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under recommended conditions.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

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Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

coumarin (91-64-5)	
LD50 oral rat	300 - 900 mg/kg (Rat)
ATE US (oral)	300 mg/kg body weight

tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)	
LD50 oral rat	4190 mg/kg (Rat)
LD50 dermal rabbit	> 3000 mg/kg (Rabbit)
ATE US (oral)	4190 mg/kg body weight

Skin corrosion/irritation : Not classified pH:  
7 - 8

Serious eye damage/irritation : Not classified pH:  
7 - 8

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified  
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

coumarin (91-64-5)	
IARC group	3 - Not Classifiable

: Not classified  
Based on available data, the classification criteria are not met

Reproductive toxicity

Specific target organ toxicity – single exposure : Not classified

: Not classified

Specific target organ toxicity – repeated exposure

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met

Symptoms/injuries after skin contact : Contact during a long period may cause slight irritation. May cause an allergic skin reaction.

Symptoms/injuries after eye contact : May cause slight irritation.

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Symptoms/injuries after ingestion : FOLLOWING SYMPTOMS MAY APPEAR LATER: Irritation of the gastric/intestinal mucosa.  
Nausea.

### SECTION 12: Ecological information

#### 12.1. Toxicity

coumarin (91-64-5)	
LC50 fish 1	56 mg/l (96 h; Poecilia reticulata)
coumarin (91-64-5)	
EC50 Daphnia 1	135 mg/l (48 h; Daphnia magna; Locomotor effect)
EC50 Daphnia 2	30.6 mg/l (48 h; Daphnia pulex)
tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)	
Threshold limit algae 1	10 mg/l (336 h; Lemna sp.; Biomass)

#### 12.2. Persistence and degradability

coumarin (91-64-5)	
Persistence and degradability	Readily biodegradable in water. Photolysis in the air.
tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)	
Persistence and degradability	Biodegradability in water: no data available.

#### 12.3. Bioaccumulative potential

coumarin (91-64-5)	
BCF fish 1	< 10 (72 h; Leuciscus idus)
BCF other aquatic organisms 1	42 (24 h; Chlorella sp.; Fresh weight)
Log Pow	1.39
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)	
Bioaccumulative potential	No bioaccumulation data available.

#### 12.4. Other adverse effects

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with Local, State, and Federal regulations.  
Ecology - waste materials : Avoid release to the environment.

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### SECTION 14: Transport information

#### 14.1. UN Number

UN-No.(DOT) : Not Regulated  
Other information : No supplementary information available

#### 14.2. UN proper shipping name

DOT Proper Shipping Name : Not Regulated

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

##### Viable Bacteria Cultures

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### coumarin (91-64-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
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##### tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
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#### 15.2. International regulations

##### CANADA

##### EU-Regulations

No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP] Classification**  
**according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]** Not classified

#### 15.2.2. National regulations

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### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

## SECTION 16: Other information

### Abbreviations Legend:

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H373	May cause damage to organs through prolonged or repeated exposure

### Disclaimer

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ALL NON-EMERGENCY QUESTIONS SHOULD BE DIRECTED TO CUSTOMER SERVICE (310) 632-7124

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