

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.
 Specific treatment (see the emergency and first aid section of this Safety Data Sheet on this label).
 If skin irritation or rash occurs: Get medical advice/attention.
 Wash contaminated clothing before reuse.
 Dispose of contents/container

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

3.2. Mixture

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Name	Product identifier	%	GHS US classification
tertiary-octylphenoxy(ethoxyethanol)	(CAS-No.) 9036-19-5	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
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/effects	: Not expected to present a significant hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Symptoms/effects after skin contact	: Contact during a long period may cause slight irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: May cause slight irritation.
Symptoms/effects 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.
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.

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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 : Do not eat, drink or smoke during use.

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

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Hazy

Odor : Pina colada

Odor threshold : No data available

pH : 6.8 - 9.8

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : > 200 °F

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : Not flammable

Explosion limits : 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

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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

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: 6.8 - 9.8

Serious eye damage/irritation : Not classified
pH: 6.8 - 9.8

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

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

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

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

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

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

Symptoms/effects 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)
EC50 Daphnia 1	135 mg/l (48 h; Daphnia magna; Locomotor effect)

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coumarin (91-64-5)	
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.

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

Proper Shipping Name (DOT) : Not Regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to 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.

coumarin (91-64-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory. Listed on the Canadian DSL (Domestic Substances List).	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

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

coumarin (91-64-5)

Listed on the Canadian DSL (Domestic Substances List).

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

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental 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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