

Val-U Scent Apple Blossom

Safety Data Sheet

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

1.1. Product identifier

Product form : Mixture
Product name : **Val-U Scent Apple Blossom**
Product code : 11194

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

Val-U-Chem Inc.
PO Box 82310
Phoenix, AZ 85071 - USA
T 602-957-2808 - F 602-957-2980

1.4. Emergency telephone number

Emergency number : 800-255-3924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Eye Irrit. 2A H319
Skin Sens. 1 H317
Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms :



GHS07

Signal word : Warning
Hazard statements : May cause an allergic skin reaction.
Causes serious eye irritation.
Precautionary statements : Avoid breathing mist, vapors.
Wash hands and forearms thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, eye protection, protective clothing.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: 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. Substance

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	%	Classification (GHS-US)
Viable Bacteria Cultures		15 - 20	Skin Sens. 1, H317
4-nonylphenol, branched, ethoxylated	(CAS No) 127087-87-0	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318
benzyl salicylate	(CAS No) 118-58-1	< 1	Skin Sens. 1, H317
eugenol	(CAS No) 97-53-0	< 1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
2-(4-tert-butylbenzyl)propionaldehyde	(CAS No) 80-54-6	< 1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Chronic 2, H411

(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 to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/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. If skin irritation occurs: Get medical advice/attention. Wash with plenty of soap and water. 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.
Symptoms/injuries after skin contact	: May cause slight irritation. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye 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.
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.

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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 : Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Hazy

Odor : Apple blossom

Odor threshold : No data available

pH : 7 - 9

Melting point : No data available

Freezing point : No data available

Boiling point : > 200 °F

Flash point : > 200 °F

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

Flammability (solid, gas) : No data available

Explosive limits : No data available

Vapor pressure : No data available

Vapor density : No data available

Specific Gravity @ 77° F : 0.994 - 1.014

Solubility : Soluble in water.

Partition Coefficient n-Octanol-Water : No data available

Auto-ignition temperature : No data available

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Decomposition temperature : No data available
Viscosity : No data available

9.2. Other information

VOC content : < 1 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

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

4-nonylphenol, branched, ethoxylated (127087-87-0)	
LD50 oral rat	16000 mg/kg (Rat)
LD50 dermal rabbit	4490 mg/kg (Rabbit)
ATE US (oral)	16000.000 mg/kg body weight
ATE US (dermal)	4490.000 mg/kg body weight

benzyl salicylate (118-58-1)	
LD50 oral rat	2227 mg/kg (Rat)
LD50 dermal rabbit	14150 mg/kg (Rabbit)
ATE US (oral)	2227.000 mg/kg body weight
ATE US (dermal)	14150.000 mg/kg body weight

2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
LD50 oral rat	1390 mg/kg (Rat)
LD50 dermal rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
ATE US (oral)	1390.000 mg/kg body weight

eugenol (97-53-0)	
LD50 oral rat	2680 mg/kg (Rat)
ATE US (oral)	2680.000 mg/kg body weight

Skin corrosion/irritation : Not classified
pH: 7 - 9

Serious eye damage/irritation : Causes serious eye irritation.
pH: 7 - 9

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

eugenol (97-53-0)	
IARC group	3 - Not Classifiable

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

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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/injuries after skin contact	: May cause slight irritation. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: FOLLOWING SYMPTOMS MAY APPEAR LATER: Irritation of the gastric/intestinal mucosa. Nausea.

SECTION 12: Ecological information

12.1. Toxicity

2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
LC50 fish 1	> mg/l >2.2/4.6,96 h; Brachydanio rerio
EC50 Daphnia 1	10.7 mg/l (48 h; Daphnia magna)
LC50 fish 2	> mg/l >4.6/10,96 h; Leuciscus idus
eugenol (97-53-0)	
LC50 fish 1	24 mg/l (96 h; Pimephales promelas)

12.2. Persistence and degradability

4-nonylphenol, branched, ethoxylated (127087-87-0)	
Persistence and degradability	Biodegradable in water. No (test)data on mobility of the substance available.
benzyl salicylate (118-58-1)	
Persistence and degradability	Biodegradability in water: no data available.
2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
Persistence and degradability	Readily biodegradable in water.
eugenol (97-53-0)	
Persistence and degradability	Biodegradability in water: no data available.

12.3. Bioaccumulative potential

4-nonylphenol, branched, ethoxylated (127087-87-0)	
Bioaccumulative potential	Low potential for bioaccumulation (molecular mass ≥ 700 g/mol).
benzyl salicylate (118-58-1)	
Log Pow	4.31 (Estimated value)
2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
Log Pow	4.3
eugenol (97-53-0)	
Log Pow	2.27
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste 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

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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

4-nonylphenol, branched, ethoxylated (127087-87-0)

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

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

benzyl salicylate (118-58-1)

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

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)

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

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

eugenol (97-53-0)

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

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 or 1999/45/EC

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 and/or reproductive harm

SECTION 16: Other information

Abbreviations Legend:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction

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H318	Causes serious eye damage
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

Revision date: 07/31/2014

Supersedes: 03/17/2014

Version: 1.0

Val-U-Scent Citrus Vanilla

Safety Data Sheet

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

1.1. Product identifier

Product form : Mixture
Product name : **Val-U-Scent Citrus Vanilla**
Product code : 11191

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

Val-U-Chem Inc.
PO Box 82310
Phoenix, AZ 85071 - USA
T 602-957-2080 - F 602-957-2980

1.4. Emergency telephone number

Emergency number : 800-255-3924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Eye Irrit. 2A H319
Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms :



GHS07

Signal word : Warning
Hazard statements : Causes serious eye irritation.
Precautionary statements : Wash hands and forearms thoroughly after handling.
Wear eye protection, protective gloves.
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.

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. Substance

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

Name	Product identifier	%	Classification (GHS-US)
4-nonylphenol, branched, ethoxylated	(CAS No) 127087-87-0	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318

(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

Val-U-Scent Citrus Vanilla

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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	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: If skin irritation or rash occurs: Wash with plenty of soap and water. If skin irritation persists, get medical attention.
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.
Symptoms/injuries after eye contact	: Causes serious eye 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	: Alcohol-resistant foam. BC powder. Carbon dioxide. Dry chemical powder. Sand/earth.
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.
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6.1.1. For non-emergency personnel

Protective equipment	: Protective goggles. Protective gloves.
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

For containment	: Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.
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. Wash down leftovers with plenty of water. Wash clothing and equipment after handling.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

Val-U-Scent Citrus Vanilla

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Do not get in eyes, on skin, or on clothing. Do not breathe mist, vapors. Ensure good ventilation of the work station. Observe normal hygiene standards. Use personal protective equipment as required.
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 acids. Strong bases.
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

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Hazy
Odor	: Vanilla
Odor threshold	: No data available
pH	: 7 - 9
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 200 °F
Flash point	: > 200 °F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not flammable
Explosive limits	: No data available
Vapor pressure	: No data available
Vapor density	: No data available
Specific Gravity @ 77° F	: 0.996 - 1.016
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 dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

4-nonylphenol, branched, ethoxylated (127087-87-0)	
LD50 oral rat	16000 mg/kg (Rat)
LD50 dermal rabbit	4490 mg/kg (Rabbit)
ATE US (oral)	16000.000 mg/kg body weight
ATE US (dermal)	4490.000 mg/kg body weight

Skin corrosion/irritation : Not classified

pH: 7 - 9

Serious eye damage/irritation : Causes serious eye irritation.

pH: 7 - 9

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

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/injuries after skin contact : Contact during a long period may cause slight irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

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

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

4-nonylphenol, branched, ethoxylated (127087-87-0)	
Persistence and degradability	Biodegradable in water. No (test) data on mobility of the substance available.

12.3. Bioaccumulative potential

4-nonylphenol, branched, ethoxylated (127087-87-0)	
Bioaccumulative potential	Low potential for bioaccumulation (molecular mass \geq 700 g/mol).

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12.4. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste 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

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.

4-nonylphenol, branched, ethoxylated (127087-87-0)

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

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

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 or 1999/45/EC

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 and/or reproductive harm

SECTION 16: Other information

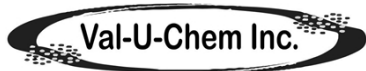
Abbreviations Legend:

Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

Revision date: 12/03/2014 Supersedes: 03/17/2014 Version: 1.0



Enzyme Deodorizer Cucumber Melon

Safety Data Sheet

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

1.1. Product identifier

Product form : Mixture
Product name : **Enzyme Deodorizer Cucumber Melon**
Product code : 11671

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

Use of the substance/mixture : Deodorizer

1.3. Details of the supplier of the safety data sheet

Val-U-Chem Inc.
2219 E. University Dr.
Phoenix, AZ 85034 - USA
T 602-957-2808 - F 602-957-2980

1.4. Emergency telephone number

Emergency number : 800-255-3924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS US classification

Eye Irrit. 2A H319
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.
Causes serious eye irritation.

Precautionary statements : Avoid breathing vapors, spray, mist.
Wash hands and forearms thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective clothing, eye protection, face protection.
If on skin: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.
Dispose of contents/container in accordance with local/regional/national/international 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

Enzyme Deodorizer Cucumber Melon

Safety Data Sheet

3.2. Mixture

Name	Product identifier	%	GHS US classification
Viable Bacteria Cultures		10 - 20	Skin Sens. 1, H317
poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-	(CAS-No.) 34398-01-1	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401

(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	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Rinse with water. Remove clothing before washing. If skin irritation persists, get medical attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth with water. Do not induce vomiting. Ingestion of large quantities: immediately to hospital.

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

Symptoms/effects	: No data available.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause slight irritation.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.
Symptoms/effects upon intravenous administration	: No effects known.
Chronic symptoms	: No data available.

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

No data available specific to the product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use firefighting measures that suit the environment.
Unsuitable extinguishing media	: No unsuitable extinguishing media known.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: No data available on direct fire hazard.
Explosion hazard	: No direct explosion hazard.
Reactivity	: No data available.

5.3. Advice for firefighters

Firefighting instructions	: In case of fire: Stop leak if safe to do so.
Protection during firefighting	: Wear recommended personal protective equipment.
Other information	: No additional information available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Absorb spillage to prevent material-damage.

6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Avoid contact with skin and eyes. Do not breathe vapors.

6.1.2. For emergency responders

Protective equipment	: Wear recommended personal protective equipment.
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Enzyme Deodorizer Cucumber Melon

Safety Data Sheet

Emergency procedures : Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.
Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Absorb spilled material with sand or earth. Clean contaminated surfaces with an excess of water.

6.4. Reference to other sections

No additional information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
Hygiene measures : Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.
Storage conditions : Keep container tightly closed. Keep cool. Protect from sunlight.
Incompatible products : Strong bases. Strong acids. Oxidizing agent.
Incompatible materials : Direct sunlight.
Heat-ignition : No data available.
Storage area : Avoid direct contact with oxidizing agents and strong acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Enzyme Deodorizer Cucumber Melon		
ACGIH	Remark (ACGIH)	No data available.

8.2. Exposure controls

Personal protective equipment : Wear recommended personal protective equipment.
Materials for protective clothing : No data available.
Hand protection : protective gloves.
Eye protection : Chemical goggles or safety glasses.
Skin and body protection : Wear personal protective clothing (see chapter 8).
Respiratory protection : No respiratory protection needed under normal use conditions.
Appropriate engineering controls : Keep in a cool place.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : Hazy light amber
Odor : Cucumber Melon
Odor threshold : No data available
pH : 8 - 9
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : No data available
Explosion limits : No data available

Enzyme Deodorizer Cucumber Melon

Safety Data Sheet

Vapor pressure	: 11 mm Hg
Vapor density	: No data available
Specific Gravity @ 77° F	: 0.994 - 1.014
Solubility	: No data available
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	: No CARB VOC
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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Avoid direct contact with oxidizing agents and strong acids.

10.5. Incompatible materials

None identified.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
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poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (34398-01-1)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	500 mg/kg body weight

Skin corrosion/irritation	: Not classified pH: 8 - 9
Serious eye damage/irritation	: Causes serious eye irritation. pH: 8 - 9
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause slight irritation.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.
Symptoms/effects upon intravenous administration	: No effects known.
Chronic symptoms	: No data available.

Enzyme Deodorizer Cucumber Melon

Safety Data Sheet

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data available.

poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (34398-01-1)	
LC50 fish 1	≈ 7.5 (5 - 10) mg/l
EC50 Daphnia 1	≈ 7.5 (5 - 10) mg/l
ErC50 (algae)	≈ 50 (1 - 100) mg/l

12.2. Persistence and degradability

Enzyme Deodorizer Cucumber Melon	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

No additional information available.

12.4. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available.

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

UN-No.(DOT) : Not regulated.

SECTION 15: Regulatory information

15.1. US Federal regulations

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.

poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (34398-01-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory.	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Viable Bacteria Cultures	
Listed on the United States TSCA (Toxic Substances Control Act) inventory.	

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

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.

Enzyme Deodorizer Cucumber Melon

Safety Data Sheet

SECTION 16: Other information

Abbreviations Legend:

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H401	Toxic to aquatic life

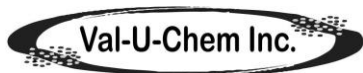
Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Revision date: 01/22/2020

Supersedes: 01/20/2020

Version: 1.2



Enzyme Deodorizer Hawaiian Breeze

Safety Data Sheet

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

1.1. Product identifier

Product form : Mixture
Product name : **Enzyme Deodorizer Hawaiian Breeze**
Product code : 11674

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

Val-U-Chem Inc.
2219 E. University Dr.
Phoenix, AZ 85034 - USA
T 602-957-2808 - F 602-957-2980

1.4. Emergency telephone number

Emergency number : 800-255-3924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS US classification

Eye Irrit. 2A H319
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.
Causes serious eye irritation.
Precautionary statements : Avoid breathing mist, vapors.
Wash hands and forearms thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, eye protection, protective clothing.
If on skin: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.
Dispose of contents/container in accordance with local/regional/national/international 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

Enzyme Deodorizer Hawaiian Breeze

Safety Data Sheet

3.2. Mixture

Name	Product identifier	%	GHS US classification
Viable Bacteria Cultures		15 - 20	Skin Sens. 1, H317
poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-	(CAS-No.) 34398-01-1	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401

(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. If skin irritation occurs: Get medical advice/attention. Wash with plenty of soap and water. 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.
Symptoms/effects after skin contact	: May cause slight irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye 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.

Enzyme Deodorizer Hawaiian Breeze

Safety Data Sheet

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 : Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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 : Pineapple mango

Odor threshold : No data available

pH : 8 - 9

Melting point : No data available

Freezing point : No data available

Boiling point : > 200 °F

Flash point : > 200 °F

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

Flammability (solid, gas) : No data available

Explosion limits : No data available

Vapor pressure : 2 mm Hg

Vapor density : No data available

Specific Gravity @ 77° F : 0.993 - 1.013

Solubility : Soluble in water

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 : < 1 g/l CARB VOC

Enzyme Deodorizer Hawaiian Breeze

Safety Data Sheet

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

poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (34398-01-1)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	500 mg/kg body weight

Skin corrosion/irritation : Not classified
pH: 8 - 9

Serious eye damage/irritation : Causes serious eye irritation.
pH: 8 - 9

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

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 : May cause slight irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye irritation.

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

SECTION 12: Ecological information

12.1. Toxicity

poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (34398-01-1)	
LC50 fish 1	≈ 7.5 (5 - 10) mg/l
EC50 Daphnia 1	≈ 7.5 (5 - 10) mg/l
ErC50 (algae)	≈ 50 (1 - 100) mg/l

12.2. Persistence and degradability

No additional information available.

Enzyme Deodorizer Hawaiian Breeze

Safety Data Sheet

12.3. Bioaccumulative potential

No additional information 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

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.

Viable Bacteria Cultures

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

poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (34398-01-1)

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

SARA Section 311/312 Hazard Classes : Immediate (acute) health hazard

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

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
H318	Causes serious eye damage
H319	Causes serious eye irritation
H401	Toxic to aquatic life

Enzyme Deodorizer Hawaiian Breeze

Safety Data Sheet

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Revision date: 01/22/2020

Supersedes: 12/19/2019

Version: 1.1

Val-U-Scent Summer Rain

Safety Data Sheet

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

1.1. Product identifier

Product form : Mixture
Product name : **Val-U-Scent Summer Rain**
Product code : 11645

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

Val-U-Chem Inc.
PO Box 82310
Phoenix, AZ 85071 - USA
T 602-957-2808 - F 602-957-2980

1.4. Emergency telephone number

Emergency number : 800-255-3924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Eye Irrit. 2A H319
Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms :



GHS07

Signal word : Warning
Hazard statements : Causes serious eye irritation.
Precautionary statements : Wash hands and forearms thoroughly after handling.
Wear eye protection, protective gloves.
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.

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. Substance

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

Name	Product identifier	%	Classification (GHS-US)
Viable Bacteria Cultures		15 - 20	Skin Sens. 1, H317
poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-	(CAS No) 34398-01-1	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318
benzyl salicylate	(CAS No) 118-58-1	< 1	Skin Sens. 1, H317

Val-U-Scent Summer Rain

Safety Data Sheet

Name	Product identifier	%	Classification (GHS-US)
coumarin	(CAS No) 91-64-5	< 1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373
eugenol	(CAS No) 97-53-0	< 1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
2-(4-tert-butylbenzyl)propionaldehyde	(CAS No) 80-54-6	< 1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Chronic 2, H411

(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	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: If skin irritation or rash occurs: Wash with plenty of soap and water. If skin irritation persists, get medical attention.
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.
Symptoms/injuries after eye contact	: Causes serious eye 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	: Alcohol-resistant foam. BC powder. Carbon dioxide. Dry chemical powder. Sand/earth.
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

Protective equipment	: Protective goggles. Protective gloves.
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.

Val-U-Scent Summer Rain

Safety Data Sheet

6.3. Methods and material for containment and cleaning up

For containment	: Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.
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. Wash down leftovers with plenty of water. Wash clothing and equipment after handling.

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	: Do not get in eyes, on skin, or on clothing. Do not breathe mist, vapors. Ensure good ventilation of the work station. Observe normal hygiene standards. Use personal protective equipment as required.
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 acids. Strong bases.
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

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Hazy
Odor	: Summer rain
Odor threshold	: No data available
pH	: 7 - 8
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 200 °F
Flash point	: > 200 °F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not flammable
Explosive limits	: No data available
Vapor pressure	: No data available
Vapor density	: No data available
Specific Gravity @ 77° F	: 0.9956 - 1.0156
Solubility	: Water: Complete

Val-U-Scent Summer Rain

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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 : < g/l

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 dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (34398-01-1)

LD50 oral rat	> 1400 mg/kg
ATE US (oral)	500.000 mg/kg body weight

benzyl salicylate (118-58-1)

LD50 oral rat	2227 mg/kg (Rat)
LD50 dermal rabbit	14150 mg/kg (Rabbit)
ATE US (oral)	2227.000 mg/kg body weight
ATE US (dermal)	14150.000 mg/kg body weight

coumarin (91-64-5)

LD50 oral rat	300 - 900 mg/kg (Rat)
ATE US (oral)	300.000 mg/kg body weight

eugenol (97-53-0)

LD50 oral rat	2680 mg/kg (Rat)
ATE US (oral)	2680.000 mg/kg body weight

2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)

LD50 oral rat	1390 mg/kg (Rat)
LD50 dermal rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
ATE US (oral)	1390.000 mg/kg body weight

Skin corrosion/irritation	: Not classified pH: 7 - 8
Serious eye damage/irritation	: Causes serious eye irritation. pH: 7 - 8
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

coumarin (91-64-5)

IARC group	3 - Not Classifiable
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Val-U-Scent Summer Rain

Safety Data Sheet

eugenol (97-53-0)	
IARC group	3 - Not Classifiable
Reproductive toxicity	: Not classified
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/injuries after skin contact	: Contact during a long period may cause slight irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: FOLLOWING SYMPTOMS MAY APPEAR LATER: Irritation of the gastric/intestinal mucosa. Nausea.

SECTION 12: Ecological information

12.1. Toxicity

poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (34398-01-1)	
LC50 fish 1	1 - 10 mg/l
EC50 Daphnia 1	1 - 10 mg/l
ErC50 (algae)	1 - 10 mg/l
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)
EC50 Daphnia 2	30.6 mg/l (48 h; Daphnia pulex)
eugenol (97-53-0)	
LC50 fish 1	24 mg/l (96 h; Pimephales promelas)
2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
LC50 fish 1	> mg/l >2.2/4.6,96 h; Brachydanio rerio
EC50 Daphnia 1	10.7 mg/l (48 h; Daphnia magna)
LC50 fish 2	> mg/l >4.6/10,96 h; Leuciscus idus

12.2. Persistence and degradability

benzyl salicylate (118-58-1)	
Persistence and degradability	Biodegradability in water: no data available.
coumarin (91-64-5)	
Persistence and degradability	Readily biodegradable in water. Photolysis in the air.
eugenol (97-53-0)	
Persistence and degradability	Biodegradability in water: no data available.
2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

benzyl salicylate (118-58-1)	
Log Pow	4.31 (Estimated value)
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).
eugenol (97-53-0)	
Log Pow	2.27
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Val-U-Scent Summer Rain

Safety Data Sheet

2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)

Log Pow	4.3
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12.4. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste 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

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

poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (34398-01-1)

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

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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benzyl salicylate (118-58-1)

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

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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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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eugenol (97-53-0)

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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2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)

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

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
-------------------------------------	---------------------------------

15.2. International regulations

CANADA

EU-Regulations

No additional information available

Val-U-Scent Summer Rain

Safety Data Sheet

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

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 and/or reproductive harm

SECTION 16: Other information

Abbreviations Legend:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

Revision date: 01/16/2017

Supersedes: 01/16/2017

Version: 1.0

Val-U-Scent Waterfall Mist

Safety Data Sheet

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

1.1. Product identifier

Product form : Mixture
Product name : **Val-U-Scent Waterfall Mist**
Product code : 11646

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

Val-U-Chem Inc.
PO Box 82310
Phoenix, AZ 85071 - USA
T 602-957-2808 - F 602-957-2980

1.4. Emergency telephone number

Emergency number : 800-255-3924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Eye Irrit. 2A H319
Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms :



GHS07

Signal word : Warning
Hazard statements : Causes serious eye irritation.
Precautionary statements : Wash hands and forearms thoroughly after handling.
Wear eye protection, protective gloves.
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.

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. Substance

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

Name	Product identifier	%	Classification (GHS-US)
Viable Bacteria Cultures		10 - 15	Skin Sens. 1, H317
poly(oxy-1,2-ethanediy), a-undecyl-w-hydroxy-	(CAS No) 34398-01-1	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318
sodium C14-16 olefin sulfonate	(CAS No) 68439-57-6	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318
benzyl salicylate	(CAS No) 118-58-1	< 1	Skin Sens. 1, H317

Val-U-Scent Waterfall Mist

Safety Data Sheet

Name	Product identifier	%	Classification (GHS-US)
2-(4-tert-butylbenzyl)propionaldehyde	(CAS No) 80-54-6	< 1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Chronic 2, H411

(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	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: If skin irritation or rash occurs: Wash with plenty of soap and water. If skin irritation persists, get medical attention.
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.
Symptoms/injuries after eye contact	: Causes serious eye 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	: Alcohol-resistant foam. BC powder. Carbon dioxide. Dry chemical powder. Sand/earth.
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

Protective equipment	: Protective goggles. Protective gloves.
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

For containment	: Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.
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. Wash down leftovers with plenty of water. Wash clothing and equipment after handling.

Val-U-Scent Waterfall Mist

Safety Data Sheet

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 : Do not get in eyes, on skin, or on clothing. Do not breathe mist, vapors. Ensure good ventilation of the work station. Observe normal hygiene standards. Use personal protective equipment as required.

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 acids. Strong bases.

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

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Hazy

Odor : Linen

Odor threshold : No data available

pH : 7 - 8

Melting point : No data available

Freezing point : No data available

Boiling point : > 200 °F

Flash point : > 200 °F

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

Flammability (solid, gas) : Not flammable

Explosive limits : No data available

Vapor pressure : No data available

Vapor density : No data available

Specific Gravity @ 77° F : 0.9956 - 1.0156

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

Val-U-Scent Waterfall Mist

Safety Data Sheet

9.2. Other information

VOC content : < g/l

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 dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (34398-01-1)

LD50 oral rat	> 1400 mg/kg
ATE US (oral)	500.000 mg/kg body weight

benzyl salicylate (118-58-1)

LD50 oral rat	2227 mg/kg (Rat)
LD50 dermal rabbit	14150 mg/kg (Rabbit)
ATE US (oral)	2227.000 mg/kg body weight
ATE US (dermal)	14150.000 mg/kg body weight

2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)

LD50 oral rat	1390 mg/kg (Rat)
LD50 dermal rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
ATE US (oral)	1390.000 mg/kg body weight

sodium C14-16 olefin sulfonate (68439-57-6)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 6000 mg/kg
LC50 inhalation rat (mg/l)	> 52 mg/l/4h

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

Serious eye damage/irritation : Causes serious eye irritation.
pH: 7 - 8

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Val-U-Scent Waterfall Mist

Safety Data Sheet

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.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: FOLLOWING SYMPTOMS MAY APPEAR LATER: Irritation of the gastric/intestinal mucosa. Nausea.

SECTION 12: Ecological information

12.1. Toxicity

poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (34398-01-1)	
LC50 fish 1	1 - 10 mg/l
EC50 Daphnia 1	1 - 10 mg/l
ErC50 (algae)	1 - 10 mg/l
2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
LC50 fish 1	> mg/l >2.2/4.6,96 h; Brachydanio rerio
EC50 Daphnia 1	10.7 mg/l (48 h; Daphnia magna)
LC50 fish 2	> mg/l >4.6/10,96 h; Leuciscus idus
sodium C14-16 olefin sulfonate (68439-57-6)	
LC50 fish 1	4.2 mg/l (Zebra fish)
LC50 other aquatic organisms 1	5.5 mg/l (Acartia tonsa)
NOEC (acute)	3.7 mg/l (Acartia tonsa)

12.2. Persistence and degradability

benzyl salicylate (118-58-1)	
Persistence and degradability	Biodegradability in water: no data available.
2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

benzyl salicylate (118-58-1)	
Log Pow	4.31 (Estimated value)
2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
Log Pow	4.3

12.4. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste 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

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

Val-U-Scent Waterfall Mist

Safety Data Sheet

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

poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (34398-01-1)

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

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

benzyl salicylate (118-58-1)

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

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)

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

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

sodium C14-16 olefin sulfonate (68439-57-6)

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

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

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 or 1999/45/EC

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 and/or reproductive harm

SECTION 16: Other information

Abbreviations Legend:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

Revision date: 01/16/2017

Supersedes: 01/16/2017

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