according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision Date: 12/02/2015 Date of issue: 02/27/2015

Version: 2.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier Product Form: Mixture

Product Name: Nature²® Cense™, Cense™ Divine Secrets, Cense™ Island Pleasures, Cense™ Quiet Escape, Cense™ Simple

Rituals

California Reg. Numbers: 67712-50001-AA, 67712-50002-AA, 67712-50003-AA, 67712-50004-AA

1.2. Intended Use of the Product

Use of the substance/mixture: Spa sanitizing solution

1.3. Name, Address, and Telephone of the Responsible Party

Company

Zodiac Pool Systems, Inc. 2620 Commerce Way Vista, CA 92081 (760) 599-9600

1.4. Emergency Telephone Number

Emergency Number : (CHEMTREC US) 800-424-9300 (CHEMTREC International) 703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Acute Tox. 4 (Oral) H302 Skin Corr. 1B H314 Eye Dam. 1 H318 Skin Sens. 1 H317 Repr. 2 H361

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)







Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) : H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage.

H361 - Suspected of damaging fertility or the unborn child.

Precautionary Statements (GHS-US): P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe dust.

P264 - Wash hands, forearms and exposed areas thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear eye protection, protective clothing, protective gloves.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel

unwell.

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all

contaminated clothing. Rinse skin with water/shower.

P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position

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comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P310 - Immediately call a POISON CENTER or doctor/physician.

P321 - Specific treatment (see Section 4).

P330 - If swallowed, rinse mouth.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P363 - Wash contaminated clothing before reuse.

P405 - Store locked up.

P501 - Dispose of contents/container according to local, regional, national, and international regulations.

2.3. Other Hazards

Other Hazards: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Water	(CAS No) 7732-18-5	23 - 54	Not classified
Monopotassium peroxymonosulfate	(CAS No) 10058-23-8	30 - 50	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318
Sodium carbonate	(CAS No) 497-19-8	15 - 25	Eye Irrit. 2A, H319
Benzyl benzoate	(CAS No) 120-51-4	0.2 - 1	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Oils, Siberian fir	(CAS No) 8021-29-2	0.1 - 0.4	Flam. Liq. 3, H226 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Cinnamon bark oil	(CAS No) 8007-80-5	0.01 - 0.2	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Skin Sens. 1, H317
2-Octanol, 2,6-dimethyl-	(CAS No) 18479-57-7	0.01 - 0.2	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Cinnamaldehyde	(CAS No) 104-55-2	0.01 - 0.2	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
Coumarin	(CAS No) 91-64-5	0.01 - 0.2	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373

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Citronellol	(CAS No) 106-22-9	0.01 - 0.2	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Aquatic Acute 2, H401
Oxacyclohexadecan-2-one	(CAS No) 106-02-5	0.01 - 0.2	Skin Sens. 1, H317
7-Octen-2-ol, 2,6-dimethyl-	(CAS No) 18479-58-8	0.01 - 0.2	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Aquatic Chronic 2, H411

Full text of H-phrases: see section 16

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 if possible).

First-aid Measures After Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Rinse immediately with plenty of water. Immediately call a POISON CENTER or doctor/physician.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/Injuries: Harmful if swallowed. Causes severe skin burns and eye damage. Suspected of damaging fertility. May cause an allergic skin reaction.

Symptoms/Injuries After Inhalation: May cause respiratory irritation. Symptoms/Injuries After Skin Contact: Corrosive. Causes burns. Symptoms/Injuries After Eye Contact: Causes serious eye damage.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Suspected of damaging fertility.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. **Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing dust.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

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Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. 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 any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

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

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. 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

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

7.3. Specific End Use(s)

Spa sanitizing solution.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

8.2. Exposure Controls

Appropriate Engineering Controls : Ensure adequate ventilation, especially in confined areas. Emergency eye wash

fountains and safety showers should be available in the immediate vicinity of any

potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment : Protective goggles. Gloves. Protective clothing.







Materials for Protective Clothing: Corrosion resistant materials and fabrics.Hand Protection: Wear chemically resistant protective gloves.

Eye Protection : Chemical goggles or safety glasses. **Skin and Body Protection** : Wear suitable protective clothing.

Respiratory Protection : Use a NIOSH-approved respirator or self-contained breathing apparatus whenever

exposure may exceed established Occupational Exposure Limits.

Environmental Exposure Controls : Do not allow the product to be released into the environment.

Consumer Exposure Controls : Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State : Solid

Appearance : White powder Odor : No data available **Odor Threshold** : No data available : No data available **Evaporation rate** : No data available **Melting Point** : No data available **Freezing Point** : No data available **Boiling Point** : No data available **Flash Point** : No data available

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Auto-ignition Temperature : No data available **Decomposition Temperature** : No data available Flammability (solid, gas) : No data available **Vapor Pressure** : No data available Relative Vapor Density at 20 °C : No data available **Relative Density** : No data available **Specific Gravity** No data available : No data available Solubility Partition coefficient: n-octanol/water No data available Viscosity : No data available

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- **10.1 Reactivity:** Hazardous reactions will not occur under normal conditions.
- **10.2** Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
- **10.3** Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
- **10.4 Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.
- **10.5** Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.
- **10.6** Hazardous Decomposition Products: Carbon oxides (CO, CO₂). Potassium oxides. Sulfur oxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Harmful if swallowed.

Nature ² [®] Cense [™] , Cense [™] Divine Secret, Cense [™] Island Pleasures, Cense [™] Quiet Escape, Cense [™] Simple Rituals		
ATE (Oral)	500.00 mg/kg body weight	
Monopotassium peroxymonosulfate (10058-23-8)		
ATE (Oral)	500.00 mg/kg body weight	
Sodium carbonate (497-19-8)		
LD50 Oral Rat	4090 mg/kg	
LC50 Inhalation Rat	2300 mg/m³ (Exposure time: 2 h)	
ATE (Oral)	4,090.00 mg/kg body weight	
ATE (Vapors)	2,300.00 mg/l/4h	
ATE (Dust/Mist)	2,300.00 mg/l/4h	
Cinnamon bark oil (8007-80-5)		
LD50 Dermal Rabbit	320 mg/kg	
ATE (Dermal)	320.00 mg/kg body weight	
Benzyl benzoate (120-51-4)		
LD50 Oral Rat	500 mg/kg	
LD50 Dermal Rabbit	4000 mg/kg	
ATE (Oral)	500.00 mg/kg body weight	
ATE (Dermal)	4,000.00 mg/kg body weight	
Cinnamaldehyde (104-55-2)		
LD50 Oral Rat	2200 mg/kg	
LD50 Dermal Rabbit	> 2000 mg/kg	
ATE (Oral)	2,200.00 mg/kg body weight	
ATE (Dermal)	1,100.00 mg/kg body weight	
Coumarin (91-64-5)		
ATE (Oral)	500.00 mg/kg body weight	
7-Octen-2-ol, 2,6-dimethyl- (18479-58-8)		
LD50 Oral Rat	3600 mg/kg	
LD50 Dermal Rabbit	> 5 g/kg	
ATE (Oral)	500.00 mg/kg body weight	

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Skin Corrosion/Irritation: Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified **Carcinogenicity:** Not classified

Coumarin (91-64-5)	
IARC group 3	
National Toxicity Program (NTP) Status	Evidence of Carcinogenicity.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure): Not classified Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause respiratory irritation. Symptoms/Injuries After Skin Contact: Corrosive. Causes burns. Symptoms/Injuries After Eye Contact: Causes serious eye damage.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Suspected of damaging fertility.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Sodium carbonate (497-19-8)	
LC50 Fish 1	300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	265 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	310 - 1220 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

12.2. Persistence and Degradability No additional information available

12.3. Bioaccumulative Potential

Sodium carbonate (497-19-8)	
BCF fish 1 (no bioaccumulation)	
Cinnamaldehyde (104-55-2)	
Log Pow	2.22 (at 18 °C)

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name : CORROSIVE SOLIDS, N.O.S. (Monopotassium peroxymonosulfate)

Hazard Class : 8

Identification Number : UN1759

Label Codes : 8
Packing Group : ||

14.2 In Accordance with IMDG

Proper Shipping Name : CORROSIVE SOLID, N.O.S. (Monopotassium peroxymonosulfate)

Hazard Class : 8

Identification Number : UN1759

Packing Group : II
Label Codes : 8
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B



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14.3 In Accordance with IATA

Proper Shipping Name : CORROSIVE SOLID, N.O.S. (Monopotassium peroxymonosulfate)

Packing Group : II

Identification Number : UN1759

Hazard Class : 8 Label Codes : 8 ERG Code (IATA) : 8L



SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

PRECAUTIONARY STATEMENT

Hazards to Humans and Domestic Animals.

CAUTION

In the unlikely event that a cartridge breaks, mineral media should not be ingested by humans or animals as it may cause gastric distress.

FIRST AID IF INGESTED:

Call poison control center or doctor immediately for treatment advice.

Nature ² ® Cense™, Cense™ Divine Secret, Cense™ Island Pleasures, Cense™ Quiet Escape, Cense™ Simple Rituals	
SARA Section 311/312 Hazard Classes Delayed (chronic) health hazard	
	Immediate (acute) health hazard
Managetassium navauumanasulfata (10059 22 9)	

Monopotassium peroxymonosulfate (10058-23-8)

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

Sodium carbonate (497-19-8)

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

Cinnamon bark oil (8007-80-5)

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

2-Octanol, 2,6-dimethyl- (18479-57-7)

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

Benzyl benzoate (120-51-4)

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

Cinnamaldehyde (104-55-2)

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

Coumarin (91-64-5)

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

Oils, Siberian fir (8021-29-2)

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

Water (7732-18-5)

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

Citronellol (106-22-9)

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

Oxacyclohexadecan-2-one (106-02-5)

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

7-Octen-2-ol, 2,6-dimethyl- (18479-58-8)

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

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This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

In the unlikely event that a cartridge breaks, mineral media should not be ingested by human or animals as it may cause gastric distress.

15.2 US State Regulations Neither this product nor its chemical components appear on any US state lists.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 12/02/2015

Other Information : This document has been prepared in accordance with the SDS

requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 3	Flammable liquids Category 3
Repr. 2	Reproductive toxicity Category 2
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
Skin Sens. 1B	Skin sensitization Category 1B
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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.

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SDS US (GHS HazCom)

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