SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	257011	**COMPANY PHONE:**	1-800-241-8180
PRODUCT NAME:	Evoke – Blackberry Garden	**EMERGENCY TELEPHONE:**	1-800-535-5053
PRODUCT DESCRIPTION:	Scent Diffuser	**INFOTRAC:**	1-800-535-5053
COMPANY INFORMATION:	**PRO CHEM, INC.** 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION:
Flammable Liquids Category 4: H227: Combustible liquid
Acute Toxicity (inhalation: dust, mist): H332: Harmful if inhaled
Skin Sensitization, Category 1: H317: May cause an allergic skin reaction
Full text of H statements: See Section 16

SIGNAL WORD:
WARNING

SYMBOL:

HAZARD STATEMENTS:

H227 - Combustible liquid.
H317 - May cause an allergic skin reaction.
H332 - Harmful if inhaled.

PRECAUTIONARY STATEMENTS:

Prevention: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Response: P302+P352 – IF ON SKIN: Wash with plenty of water.
P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a poison center or doctor if you feel unwell.
P321 - Specific treatment (See Section 4 of SDS for supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
Storage: P403+P235 - Store in a well-ventilated place. Keep cool.
Disposal: P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

HAZARDS NOT OTHERWISE SPECIFIED:

No additional information available.

UNKNOWN ACUTE TOXICITY (GHS US):

Not applicable.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight	GHS-US Classification
DPG – Dipropylene Glycol	25265-71-8	30 - 70	Acute Toxicity 4 (Inhalation: dust, mist), H332
Diethyl Malonate	105-53-3	5 - 10	Flammable Liquid 4, H227 Eye Irritation 2, H319
Hexyl Cinnamic Aldehyde	101-86-0	1 - 5	Skin Sensitization 1B, H317
Benzyl Benzoate	120-51-4	1 - 5	Acute Toxicity 4 (Oral), H302
Linalool	78-70-6	1 - 5	Flammable Liquid 4, H227 Skin Irritation 2, H315 Eye Irritation 2, H319 Skin Sensitization 1B, H317
Amyl Cinnamic Aldehyde	122-40-7	1 - 5	Skin Sensitization 1B, H317
Allyl Caproate/Allyl Hexanoate	123-68-2	1 - 5	Flammable Liquid 4, H227 Acute Toxicity 3 (Oral), H301 Acute Toxicity 3 (Dermal), H311 Acute Toxicity 3 (Inhalation), H331 Acute Toxicity 2 (Inhalation: dust, mist), H330
d-Limonene	5989-27-5	1 - 5	Flammable Liquid 3, H226 Skin Irritation 2, H315 Skin Sensitization 1, H317 Aspiration Toxicity 1, H304
Damascenone	23696-85-7	< 0.5	Skin Irritation 2, H315 Skin Sensitization 1A, H317

Substances: Not applicable.
Full text of hazard classes and H-statements: See Section 16.

4. First Aid Measures

EMERGENCY OVERVIEW

GENERAL: Get medical advice/attention if you feel unwell. Call a poison center/doctor/physician if you feel unwell.

EYES: Rinse eyes with water as a precaution.

SKIN: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

INHALATION:

Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. Call a poison center/doctor/physician if you feel unwell.

INGESTION:

Call a poison center/doctor/physician if you feel unwell.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Symptoms/effects after skin contact: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Water spray. Dry powder. Foam. Carbon dioxide.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Fire Hazard: Combustible liquid.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus (SCBA). Complete protective clothing.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

For Non-emergency Personnel:

Emergency Procedures: Ventilate spillage area. No open flames, no sparks and no smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

For Emergency Responders:

Protective Equipment: Do not attempt to take action without suitable protective equipment. For further information refer to Section 8: "Exposure controls/personal protection".

ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Methods for cleaning up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information: Dispose of materials or solid residues at an authorized site.

REFERENCE TO OTHER SECTIONS:

For further information refer to Section 13 of this SDS.

7. Handling and Storage

SAFE HANDLING:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

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. Always wash hands after handling the product.

SAFE STORAGE & INCOMPATIBILITIES:

Store in a well-ventilated place. Keep cool.

8. Exposure Controls / Personal Protection

CONTROL PARAMETERS:

Linalool (78-70-6): Not applicable.
Allyl Caproate/Allyl Hexanoate (123-68-2): Not applicable.
Amyl Cinnamic Aldehyde (122-40-7): Not applicable.
Damascenone (23696-85-7): Not applicable.
Diethyl Malonate (105-53-3): Not applicable.
DPG – Dipropylene Glycol (25265-71-8): Not applicable.
d-Limonene (5989-27-5): Not applicable.
Hexyl Cinnamic Aldehyde (101-86-0): Not applicable.
Benzyl Benzoate (120-51-4): Not applicable.

PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face Protection: Safety glasses.
Skin Protection: Protective gloves and wear suitable protective clothing.
Respiratory Protection: Wear respiratory protection.

APPROPRIATE ENGINEERING CONTROLS:

Ensure good ventilation of the work station.
Environmental Exposure Controls: Avoid release to the environment.

9. Physical & Chemical Properties

Physical State:	Liquid.	**Flammability(solid/gas):**	Not applicable.
Color:	Mixture contains one or more component(s) which have the following color(s): Colorless to light yellow. On exposure to air: yellow Light yellow to colorless white. On exposure to light: yellow white to off-white Colorless to yellow White to light yellow On exposure to light: discolors	**Odor:**	There may be no odor warning properties, odor is subjective and inadequate to warn of overexposure.
Odor Threshold:	No data available.	**Vapor Pressure:**	No data available.
pH:	No data available.	**Relative Density:**	No data available.
Melting Point:	Not applicable.	**Relative Vapor Density at 20°C:**	No data available.
Freezing Point:	No data available.	**Solubility (water):**	No data available.
Boiling Point/Range:	No data available.	**Auto-Ignition Temp:**	No data available.
Viscosity, Kinematic:	No data available.	**Log Pow:**	No data available.
Viscosity, Dynamic:	No data available.	**Decomposition Temp:**	No data available.
Flash Point:	82.9°C	**Relative evaporation rate (butyl acetate=1):**	No data available.

10. Stability & Reactivity Information

REACTIVITY:

The product is nonreactive under normal conditions of use, storage and transport.

CHEMICAL STABILITY:

Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

No dangerous reactions known under normal conditions of use.

CONDITIONS TO AVOID:

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

INCOMPATIBLE MATERIALS:

No additional information available.

HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

ACUTE TOXICITY:

Components	Species	Test Results
Linalool (78-70-6)		
Acute		
Dermal		
LD50	Rabbit	5,610 mg/kg body weight (Equivalent or similar to OECD 402, 24h, Rabbit, Experimental value, Dermal, 7 day(s))
Oral		
LD50	Rat	2,790 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral, 14 day(s))
ATE US (oral)		2,790 mg/kg body weight
ATE US (dermal)		5,610 mg/kg body weight
Allyl Caproate/Allyl Hexanoate (123-68-2)		
Acute		
Dermal		
LD50	Rabbit	820 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Experimental value, Dermal,14 day(s))
Inhalation		
LC50	Rat	0.297 mg/l (1 - 8h, Rat, Male, Experimental value, Inhalation (vapors), 10 day(s))
Oral		
LD50	Rat	218 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral,14 day(s))
ATE US (oral)		218 mg/kg body weight
ATE US (dermal)		300 mg/kg body weight
ATE US (gases)		700 ppm/4h
ATE US (vapors)		0.297 mg/l/4h
ATE US (dust, mist)		0.297 mg/l/4h
Amyl Cinnamic Aldehyde (122-40-7)		
Acute		
Dermal		
LD50	Rabbit	>2,000 mg/kg (Rabbit, Dermal)
Oral		
LD50	Rat	3,730 mg/kg
ATE US (oral)		3,730 mg/kg body weight

Damascenone (23696-85-7)		
ATE US (dermal)		2,900 mg/kg body weight

Diethyl Malonate (105-53-3)		
Acute		
Dermal		
LD50	Rabbit	>16,960 mg/kg (Rabbit, Dermal)
Oral		
LD50	Rat	15,794 mg/kg (Rat, Oral)
ATE US (oral)		15,794 mg/kg body weight

DPG – Dipropylene Glycol (25265-71-8)		
Acute		
Dermal		
LD50	Rabbit	>5,010 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Male/female, Experimental value, Dermal)
Inhalation		
LC50	Rat	2.34 mg/l (Equivalent or similar to OECD 403, Rat, Male/female, Experimental value, Inhalation)
Oral		
LD50	Rat	>5,000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral)
ATE US (vapors)		2.34 mg/l/4h
ATE US (dust, mist)		2.34 mg/l/4h

d-Limonene (5989-27-5)		
Acute		
Dermal		
LD50	Rabbit	>5,000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal)
Oral		
LD50	Rat	>2,000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Read-across, Oral)

Hexyl Cinnamic Aldehyde (101-86-0)	
ATE US (oral)	3,100 mg/kg body weight

Benzyl Benzoate (120-51-4)		
Acute		
Dermal		
LD50	Rabbit	>2 ml/kg (Modification of Draize 1959 method, 4h, Rabbit, Experimental value, Dermal)
Oral		
LD50	Rat	>2,000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value, Oral, 14 day(s))
ATE US (oral)		1,500 mg/kg body weight
ATE US (dermal)		4,000 mg/kg body weight

* Estimates for product may be based on additional component data not shown.

D-LIMONENE (5989-27-5)

IARC Group: 3 - Not classifiable.

SKIN CORROSION/IRRITATION:

Not classified.

SERIOUS EYE DAMAGE/EYE IRRITATION:

Not classified.

RESPIRATORY SENSITIZATION:

Not classified.

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.
VISCOSITY, KINEMATIC:
No data available.
SYMPTOMS/EFFECTS AFTER SKIN CONTACT:
May cause an allergic skin reaction.

12. Ecological Information

ECOTOXICITY:

Components		Species	Test Results
Linalool (78-70-6)			
Aquatic			
Crustacea	EC50	Daphnia magna	59 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
Fish	LC50	Oncorhynchus mykiss	27.8 mg/l (OECD 203: Fish, Acute Toxicity Test, 96h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, GLP)
Algae	ErC50	Desmodesmus subspicatus	156.7 mg/l (DIN 38412-9, 96h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
Allyl Caproate/Allyl Hexanoate (123-68-2)			
Aquatic			
Crustacea	EC50	Daphnia magna	2 mg/l (EU Method C.2, 48h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
Fish	LC50	Danio rerio	0.117 mg/l (OECD 203: Fish, Acute Toxicity Test, 96h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
Algae	ErC50	Desmodesmus subspicatus	> 4.6 mg/l (OECD 201: Alga, Growth Inhibition Test, 72h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)
Amyl Cinnamic Aldehyde (122-40-7)			
Aquatic			
Crustacea	EC50	Daphnia magna	1.1 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 96h, Daphnia magna, Experimental value)
Fish	LC50	Brachydanio rerio	3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96h, Brachydanio rerio, Experimental value)
Diethyl Malonate (105-53-3)			
Aquatic			
Crustacea	EC50	Daphnia magna	202.3 mg/l (48h, Daphnia magna, Static system)
Fish	LC50	Pimephales promelas	11.8 mg/l (96h, Pimephales promelas)
DPG – Dipropylene Glycol (25265-71-8)			
Aquatic			
Crustacea	EC50	Daphnia magna	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48h, Daphnia magna, Static system, Fresh water, Experimental value)
Fish	LC50	Oryzias latipes	LC50 fish 1 > 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96h, Oryzias latipes, Semi-static system, Fresh water, Experimental value)
Other aquatic organisms 1	LC50	Xenopus laevis	3181 mg/l (Other, 48h, Xenopus laevis, Fresh water, Experimental value)
d-Limonene (5989-27-5)			
Aquatic			
Crustacea	EC50	Daphnia magna	0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
Fish	LC50	Pimephales promelas	720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
Benzyl Benzoate (120-51-4)			
Aquatic			
Crustacea	EC50	Daphnia magna	3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
Fish	LC50	Danio rerio	2.32 mg/l (EU Method C.1, 96h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)

PERSISTENCE AND DEGRADABILITY:
Linalool (78-70-6):
Readily biodegradable in water.
Allyl Caproate/Allyl Hexanoate (123-68-2):
Readily biodegradable in water.
ThOD: 2.05 g O_2/g substance

Amyl Cinnamic Aldehyde (122-40-7):
Biodegradability in soil: no data available. Readily biodegradable in water.
Diethyl Malonate (105-53-3):
Readily biodegradable in water.
DPG – Dipropylene Glycol (25265-71-8):
Readily biodegradable in water.
d-Limonene (5989-27-5):
Readily biodegradable in water.
ThOD: 3.29 g O_2/g substance
Benzyl Benzoate (120-51-4):
Readily biodegradable in water.

BIOACCUMULATIVE POTENTIAL:

Linalool (78-70-6):
Log Pow: 2.84 (Experimental value, Equivalent or similar to OECD 107, 25°C)
Bioaccumulative Potential: Low potential for bioaccumulation (Log Kow < 4)
Allyl Caproate/Allyl Hexanoate (123-68-2):
BCF fish 1: 59.2 - 102.3 l/kg (BCFBAF v3.01, Pisces, QSAR)
Log Pow: 3.191 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20°C
Bioaccumulative Potential: Low potential for bioaccumulation (Log Kow < 4)
Amyl Cinnamic Aldehyde (122-40-7):
BCF fish 1: 586 (Pisces, Calculated value)
Log Pow: 4.33 - 4.70 (Literature study)
Bioaccumulative Potential: Potential for bioaccumulation (500 ≤ BCF ≤ 5000)
Diethyl Malonate (105-53-3):
Log Pow: 0.96
Bioaccumulative Potential: Low potential for bioaccumulation (Log Kow < 4)
DPG – Dipropylene Glycol (25265-71-8):
Log Pow: -0.462 (Test data, Equivalent or similar to OECD 107, 21.7°C)
Bioaccumulative Potential: Bioaccumulation: Not applicable.
d-Limonene (5989-27-5):
BCF fish 1: 864.8 - 1022 (Pisces, QSAR, Fresh weight)
Log Pow: 4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37°C)
Bioaccumulative Potential: Potential for bioaccumulation (4 ≥ Log Kow ≤ 5)
Benzyl Benzoate (120-51-4):
BCF fish 1: 2.286 (BCFBAF v3.00, Pisces, QSAR)
Log Pow: 3.97 (Experimental value, 25°C)
Bioaccumulative Potential: Low potential for bioaccumulation (Log Kow < 4)

MOBILITY IN SOIL:

Linalool (78-70-6):
Surface Tension: 8.3 mN/m (20°C, ISO 9101: Surface active agents - Determination of interfacial tension).
Ecology – Soil: No (test) data on mobility of the substance available.
Allyl Caproate/Allyl Hexanoate (123-68-2):
Ecology – Soil: No (test) data on mobility of the substance available.
Amyl Cinnamic Aldehyde (122-40-7):
Ecology – Soil: Low potential for mobility in soil.
Diethyl Malonate (105-53-3):
Ecology – Soil: May be harmful to plant growth, blooming and fruit formation.
DPG – Dipropylene Glycol (25265-71-8):
Surface Tension: 71.4 mN/m (22°C, 1.01 g/l)
Log Koc: 0.78 (log Koc, Calculated value)
Ecology – Soil: Low potential for absorption in soil.
d-Limonene (5989-27-5):
Ecology – Soil: Low potential for absorption in soil.
Benzyl Benzoate (120-51-4):
Surface Tension: 0.027 N/m (210°C)
Log Koc: 3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology – Soil: Low potential for absorption in soil.

OTHER ADVERSE EFFECTS:
No additional information available.

13. Disposal Consideration

DISPOSAL INSTRUCTIONS:
Dispose of contents/container in accordance with licensed collector's sorting instructions.

14. Transportation Information

DOT: In accordance with DOT: Not regulated.
Transportation of Dangerous Goods: Not applicable.
IATA: Not regulated.
IMDG: Not regulated.

15. Regulatory Information

US FEDERAL REGULATIONS:

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

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

INTERNATIONAL REGULATIONS:

CANADA:

Linalool (78-70-6): Listed on the Canadian DSL (Domestic Substances List)
Allyl Caproate/Allyl Hexanoate (123-68-2): Listed on the Canadian DSL (Domestic Substances List)
Amyl Cinnamic Aldehyde (122-40-7): Listed on the Canadian DSL (Domestic Substances List)
Damascenone (23696-85-7): Listed on the Canadian DSL (Domestic Substances List)
Diethyl Malonate (105-53-3): Listed on the Canadian DSL (Domestic Substances List)
DPG – Dipropylene Glycol (25265-71-8): Listed on the Canadian DSL (Domestic Substances List)
d-Limonene (5989-27-5): Listed on the Canadian DSL (Domestic Substances List)
Hexyl Cinnamic Aldehyde (101-86-0): Listed on the Canadian DSL (Domestic Substances List)
Benzyl Benzoate (120-51-4): Listed on the Canadian DSL (Domestic Substances List)

EU-REGULATIONS:

No additional information available.

NATIONAL REGULATIONS:

No additional information available.

US STATE REGULATIONS:

⚠ **WARNING:**

This product can expose you to Myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

16. Other Information

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.