Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 11/01/2024 Version: 1.0

SECTION 1: Identif	ication	
1.1. Identification		
Product form	: Mixture	
Product name	: Texas Rose & Amber UOM :	
CAS-No.	MIXTURE	
Product code	: #TS202	
1.2. Recommended	d use and restrictions on use	
No additional information	available	
1.3. Supplier		

1.4. Emergency telephone number

Emergency number : INFOTRAC (US & Canada) 1-800-535-5053 | (International) 1-352-323-3500

SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mi	ixture
GHS US classification	
Serious eye damage/eye H319	Causes serious eye irritation
irritation Category 2 Skin sensitization, H317 Category 1	May cause an allergic skin reaction
Full text of H statements : see section 16	
2.2. GHS Label elements, including preca	autionary statements
GHS US labeling Hazard pictograms (GHS US)	CONTAINER
Signal word (GHS US)	: Warning
Hazard statements (GHS US)	: H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation
Precautionary statements (GHS US)	 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P264 - Wash hands, forearms and face thoroughly after handling. P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - If on skin: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment (see 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. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable 3.2. Mixtures

Name	Product identifier	%	GHS US classification
LINALOOL	(CAS-No.) 78-70-6	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
BENZYL SALICYLATE	(CAS-No.) 118-58-1	1 – 5	Eye Irrit. 2B, H320 Skin Sens. 1B, H317
PHENYL ETHYL ALCOHOL	(CAS-No.) 60-12-8	1 – 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319
LINALYL ACETATE	(CAS-No.) 115-95-7	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-	(CAS-No.) 63500-71-0	1 – 5	Eye Irrit. 2A, H319
ETHYL VANILLIN	(CAS-No.) 121-32-4	1 – 5	Eye Irrit. 2B, H320
GERANIOL	(CAS-No.) 106-24-1	1 – 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
HEXYL CINNAMAL	(CAS-No.) 101-86-0	1 – 5	Skin Sens. 1B, H317
HYDROXY-CITRONELLAL	(CAS-No.) 107-75-5	1 – 5	Eye Irrit. 2A, H319 Skin Sens. 1B, H317
ACETYL CEDRENE	(CAS-No.) 32388-55-9	1 – 5	Skin Sens. 1B, H317
LABDANUM RESIN	(CAS-No.) 8016-26-0	< 0.5	Flam. Liq. 3, H226 Skin Sens. 1, H317

Full text of hazard classes and H-statements : see section 16

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 person to fresh air and keep comfortable for breathing.		
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.		
First-aid measures after eye contact	: 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	: Call a poison center/doctor/physician if you feel unwell.		
4.2. Most important symptoms and effect	s (acute and delayed)		
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.		
Symptoms/effects after skin contact	: May cause an allergic skin reaction.		
Symptoms/effects after eye contact	Eye irritation.		

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguish	ing media
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Specific hazards arising from the ch	emical
Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
5.3. Special protective equipment and pr	recautions for fire-fighters
Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

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Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		
SECTION 6: Accidental release meas	ures		
6.1. Personal precautions, protective equ	ipment and emergency procedures		
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.		
6.1.1. For non-emergency personnel			
Protective equipment	: Wear recommended personal protective equipment.		
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.		
6.1.2. 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".		
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.		
6.2. Environmental precautions			
Avoid release to the environment.			
6.3. Methods and material for containment	nt and cleaning up		
For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.		
Methods for cleaning up	: Take up liquid spill into absorbent material.		
Other information	: Dispose of materials or solid residues at an authorized site.		
6.4. Reference to other sections			
For further information refer to section 13.			
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.		
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.		
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.		
7.2. Conditions for safe storage, includin	g any incompatibilities		
Technical measures	: Keep in a cool, well-ventilated place away from heat.		
Storage conditions	: Keep cool. Protect from sunlight.		
Packaging materials	: Store always product in container of same material as original container.		
SECTION 8: Exposure controls/perso	onal protection		

8.1. Control parameters

Linalool (78-70-6)
Not applicable
LINALYL ACETATE (115-95-7)
Not applicable
GERANIOL (106-24-1)
Not applicable
HYDROXY-CITRONELLAL (107-75-5)
Not applicable
FLOROL (63500-71-0)
Not applicable
BENZYL SALICYLATE (118-58-1)
Not applicable

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ETHYL VANILLIN (121-32-4)		
Not applicable		
HEXYL CINNAMIC ALDEHYDE (101-86-0)		
Not applicable		
LABDANUM RESIN (8016-26-0)		
Not applicable		
PHENYL ETHYL ALCOHOL (60-12-8)		
Not applicable		
ACETYL CEDRENE (32388-55-9)		
Not applicable		

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensu

Environmental exposure controls

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

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses Skin and body protection: Wear suitable protective clothing Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and cl	hemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available

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Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
No data availableViscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
No additional information available	
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition products	
No additional information available	
SECTION 11: Toxicological information	ion
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Linalool (78-70-6)	
LD50 oral rat	2790 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	5610 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental
ATE US (oral)	value, Dermal, 7 day(s)) 2790 mg/kg body weight
ATE US (oral) ATE US (dermal)	value, Dermal, 7 day(s))
ATE US (dermal)	value, Dermal, 7 day(s)) 2790 mg/kg body weight
ATE US (dermal) GERANIOL (106-24-1)	value, Dermal, 7 day(s)) 2790 mg/kg body weight 5610 mg/kg body weight
ATE US (dermal) GERANIOL (106-24-1) LD50 oral rat	value, Dermal, 7 day(s)) 2790 mg/kg body weight 5610 mg/kg body weight 3600 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 14 day(s))
ATE US (dermal) GERANIOL (106-24-1) LD50 oral rat LD50 dermal rabbit	value, Dermal, 7 day(s)) 2790 mg/kg body weight 5610 mg/kg body weight
ATE US (dermal) GERANIOL (106-24-1) LD50 oral rat LD50 dermal rabbit ATE US (oral)	value, Dermal, 7 day(s)) 2790 mg/kg body weight 5610 mg/kg body weight 3600 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 14 day(s)) > 5000 mg/kg (Rabbit, Experimental value, Dermal)
ATE US (dermal) GERANIOL (106-24-1) LD50 oral rat LD50 dermal rabbit	value, Dermal, 7 day(s)) 2790 mg/kg body weight 5610 mg/kg body weight 3600 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 14 day(s)) > 5000 mg/kg (Rabbit, Experimental value, Dermal) 3600 mg/kg body weight > 5000 mg/kg body weight > 5000 mg/kg body weight
ATE US (dermal) GERANIOL (106-24-1) LD50 oral rat LD50 dermal rabbit ATE US (oral) HYDROXY-CITRONELLAL (107-75-5)	value, Dermal, 7 day(s)) 2790 mg/kg body weight 5610 mg/kg body weight 3600 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 14 day(s)) > 5000 mg/kg (Rabbit, Experimental value, Dermal) 3600 mg/kg body weight
ATE US (dermal) GERANIOL (106-24-1) LD50 oral rat LD50 dermal rabbit ATE US (oral) HYDROXY-CITRONELLAL (107-75-5) LD50 oral rat	value, Dermal, 7 day(s)) 2790 mg/kg body weight 5610 mg/kg body weight 3600 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 14 day(s)) > 5000 mg/kg (Rabbit, Experimental value, Dermal) 3600 mg/kg body weight > 6400 mg/kg body weight (Equivalent or similar to OECD 401, 7 day(s), Rat, Male / female, Experimental value, Oral, 7 day(s))
ATE US (dermal) GERANIOL (106-24-1) LD50 oral rat LD50 dermal rabbit ATE US (oral) HYDROXY-CITRONELLAL (107-75-5) LD50 oral rat LD50 dermal rabbit	value, Dermal, 7 day(s)) 2790 mg/kg body weight 5610 mg/kg body weight 3600 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 14 day(s)) > 5000 mg/kg (Rabbit, Experimental value, Dermal) 3600 mg/kg body weight > 6400 mg/kg body weight (Equivalent or similar to OECD 401, 7 day(s), Rat, Male / female, Experimental value, Oral, 7 day(s))
ATE US (dermal) GERANIOL (106-24-1) LD50 oral rat LD50 dermal rabbit ATE US (oral) HYDROXY-CITRONELLAL (107-75-5) LD50 oral rat LD50 dermal rabbit BENZYL SALICYLATE (118-58-1)	value, Dermal, 7 day(s)) 2790 mg/kg body weight 5610 mg/kg body weight 3600 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 14 day(s)) > 5000 mg/kg (Rabbit, Experimental value, Dermal) 3600 mg/kg body weight > 5000 mg/kg body weight > 5000 mg/kg body weight > 5000 mg/kg body weight > 2000 mg/kg body weight (Equivalent or similar to OECD 401, 7 day(s), Rat, Male / female, Experimental value, Oral, 7 day(s)) > 2000 mg/kg (Rabbit, Experimental value, Dermal, 14 day(s)) 3031 – 3339 mg/kg body weight (EU Method B.1: Acute Toxicity (Oral), Rat, Male/female,

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ETHYL VANILLIN (121-32-4)	
LD50 oral rat	> 3160 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
ATE US (oral)	3000 mg/kg body weight
HEXYL CINNAMIC ALDEHYDE (101-86-	0)
ATE US (oral)	3100 mg/kg body weight
LABDANUM RESIN (8016-26	-0)
LD50 oral rat	8980 mg/kg (Rat, Oral)
ATE US (oral)	8980 mg/kg body weight
PHENYL ETHYL ALCOHOL (60-12-8)	
LD50 oral rat	> 1790 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 808 mg/kg (Rabbit, Dermal)
LC50 Inhalation - Rat	> 1.4 mg/l (4 h, Rat, Inhalation)
ATE US (oral)	1610 mg/kg body weight
ATE US (dermal)	2500 mg/kg body weight
ACETYL CEDRENE (32388-55-9)	
LD50 oral rat	> 2000 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit, Dermal)
ATE US (oral)	4500 mg/kg body weight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Linalool (78-70-6)	
NOAEL (dermal,rat/rabbit,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Aspiration hazard	: Not classified
/iscosity, kinematic	: No data available
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this materia expected to be an inhalation hazard.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.
SECTION 12: Ecological informat	tion
2.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Linalool (78-70-6)	
LC50 - Fish [1]	27.8 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, GLP)

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Linalool (78-70-6)		
EC50 - Crustacea [1]	59 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)	
ErC50 algae	156.7 mg/l (DIN 38412-9, 96 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)	
LINALYL ACETATE (115-95-7)		
LC50 - Fish [1]	11 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio)	
EC50 - Crustacea [1]	15 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)	
GERANIOL (106-24-1)		
LC50 - Fish [1]	22 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Experimental value, GLP)	
EC50 - Crustacea [1]	10.8 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)	
ErC50 algae	13.1 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)	
HYDROXY-CITRONELLAL (107-75-5)		
LC50 - Fish [1]	31.6 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration)	
EC50 - Crustacea [1]	410 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)	
ErC50 algae	123.32 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)	
BENZYL SALICYLATE (118-58-1)		
LC50 - Fish [1]	1.03 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)	
EC50 - Crustacea [1]	1.16 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)	
ETHYL VANILLIN (121-32-4)		
LC50 - Fish [1]	87.6 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)	
EC50 - Crustacea [1]	36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Read-across, GLP)	
ErC50 algae	120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)	
PHENYL ETHYL ALCOHOL (60-12-8)		
LC50 - Fish [1]	220 – 260 mg/l (96 h, Leuciscus idus)	
EC50 - Crustacea [1]	287.17 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)	
12.2. Persistence and degradability		
Linalool (78-70-6)		
Persistence and degradability	Readily biodegradable in water.	
LINALYL ACETATE (115-95-7)		
Persistence and degradability	Readily biodegradable in water.	
GERANIOL (106-24-1)		
Persistence and degradability	Readily biodegradable in water.	
HYDROXY-CITRONELLAL (107-75-5)	De adily, his de sue de la in weter	
Persistence and degradability	Readily biodegradable in water.	
FLOROL (63500-71-0)	Diada madahilik in watan na data sa 2000	
Persistence and degradability	Biodegradability in water: no data available.	
BENZYL SALICYLATE (118-58-1)	Deadily histogradable in water	
Persistence and degradability	Readily biodegradable in water.	
ETHYL VANILLIN (121-32-4)	Deadily histogradable in water	
Persistence and degradability ThOD	Readily biodegradable in water.	
	1.81 g O ₂ /g substance	
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ETHYL VANILLIN (121-32-4) BOD (% of ThOD)	0.529 (5 day(s), Literature study)
	0.020 (0 uay(s), Literature study)
LABDANUM RESIN (8016-26-0)	
Persistence and degradability	Biodegradability in water: no data available.
PHENYL ETHYL ALCOHOL (60-12-8)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.45 g O ₂ /g substance
Chemical oxygen demand (COD)	2.5 g O ₂ /g substance
ThOD	2.6 g O ₂ /g substance
BOD (% of ThOD)	0.558
ACETYL CEDRENE (32388-55-9)	
Persistence and degradability	Biodegradability in water: no data available.
12.3. Bioaccumulative potential	
Linalool (78-70-6)	2.94 (Experimental value, Equivalent or similar to OEOD 407, 25 °C)
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	2.84 (Experimental value, Equivalent or similar to OECD 107, 25 °C) Low potential for bioaccumulation (Log Kow < 4).
•	
LINALYL ACETATE (115-95-7)	2.02 (Eventimental value)
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential	3.93 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).
	Low potential for bioaccumulation (Log Row < 4).
GERANIOL (106-24-1)	2.6 (Eventimental value, OECD 117; Dartition Coefficient (n estand/water) UDI C method, 25
Partition coefficient n-octanol/water (Log Pow)	2.6 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
HYDROXY-CITRONELLAL (107-75-5)	
BCF - Fish [1]	11.52 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	1.68 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
FLOROL (63500-71-0)	
Bioaccumulative potential	No bioaccumulation data available.
BENZYL SALICYLATE (118-58-1)	
BCF - Fish [1]	1170 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Danio rerio, Flow- through system, Fresh water, Read-across, GLP)
Partition coefficient n-octanol/water (Log Pow)	4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential	Potential for bioaccumulation ($500 \le BCF \le 5000$).
ETHYL VANILLIN (121-32-4)	
Partition coefficient n-octanol/water (Log Pow)	1.58 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
LABDANUM RESIN (8016-26-0)	
Bioaccumulative potential	No bioaccumulation data available.
PHENYL ETHYL ALCOHOL (60-12-8)	
Partition coefficient n-octanol/water (Log Pow)	1.38 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
ACETYL CEDRENE (32388-55-9)	
Bioaccumulative potential	No bioaccumulation data available.
12.4. 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.
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LINALYL ACETATE (115-95-7)		
Ecology - soil	Adsorbs into the soil.	
GERANIOL (106-24-1)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.85 (log Koc, PCKOCWIN v1.66, Calculated value)	
Ecology - soil	Highly mobile in soil.	
HYDROXY-CITRONELLAL (107-75-5)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Highly mobile in soil.	
FLOROL (63500-71-0)		
Ecology - soil	No (test)data on mobility of the substance available.	
BENZYL SALICYLATE (118-58-1)		
Surface tension	69 mN/m (20 °C, 0.004 g/l, EU Method A.5: Surface tension)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.75 (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 mobility in soil.	
ETHYL VANILLIN (121-32-4)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.092 (log Koc, Equivalent or similar to OECD 106, Experimental value)	
Ecology - soil	Low potential for mobility in soil.	

12.5. Other adverse effects

SECTION 13: Disposal consideration	ns
13.1. Disposal methods	
Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

SECTION 15:	Regulatory informatio	bn

15.1. US Federal regulations

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Farnesene	CAS-No. 502-61-4	< 0.5%
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-	CAS-No. 1222-05-5	5 – 10%
gamma-2-benzopyran		

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases:

H226	Flammable liquid and vapor
H227	Combustible liquid
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
H320	Causes eye irritation

SDS US

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.

Gillmore Container