

FIGH-79G79BHI5@GHAJETIVER & OAK: F5; F5B79C=@

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 10/20/2021 / Revision date: 08/29/2023 / Supersedes: 07/15/2022

Version: 3.1

ESCENTUAIS Issue date	e. 10/20/2021 / Revision	n date: 08/29/2023 / Supersedes: 07/15/2022	Version: 3.1	
SECTION 1: Identifica	ation			
1.1. Identification				
Product form		: Mixture		
Product name		: ÜWÙV@Ô ÒÙÔÒÞVW0EŠÙ™ XETIVER & OAK FRAGRANCE OIL		
CAS-No.				
1.2. Recommended u	se and restrictions	on use		
No additional information av				
1.3. Supplier				
IndiMade Brands, LLC DBA Wholesale Supplies Plus 7820 E Pleasant Valley Road Independence, OH 44131 (800) 359-0944				
www.WholesaleSuppliesPlus	5.0011			
1.4. Emergency telep	hone number			
Emergency number		: (800) 255-3924 Domestic USA, Canada, Puerto Rico, and US Virgin Islands +1 813 248-0585 International		
SECTION 2: Hazard(s) identification			
2.1. Classification of	the substance or m	ixture		
GHS US classification				
Flammable liquids	H227	Combustible liquid		
Category 4				
Skin corrosion/irritation Category 2	H315	Causes skin irritation		
Skin sensitization, Category 1	H317	May cause an allergic skin reaction		
Full text of H statements : se	e section 16			
2.2. GHS Label eleme	nts, including preca	autionary statements		
GHS US labeling		·		
Hazard pictograms (GHS US	6)			
	,			
Signal word (GHS US)		: Warning		
Hazard statements (GHS US	6)	: H227 - Combustible liquid		
		H315 - Causes skin irritation		
		H317 - May cause an allergic skin reaction		
Precautionary statements (G	סט סוי)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition s smoking. 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. P321 - Specific treatment (see supplemental first aid instruction on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P363 - Wash contaminated clothing before reuse. P370+P378 - In case of fire: Use media other than water to extinguish. P403+P235 - Store in a well-ventilated place. Keep cool. P501 - Dispose of contents/container to hazardous or special waste collection point accordance with local, regional, national and/or international regulation. 		

Safety Data Sheet

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

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2- naphthalenyl)ethanone	(CAS-No.) 54464-57-2	1 – 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317
LIMONENE	(CAS-No.) 5989-27-5	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
ALPHA-ISOMETHYL IONONE	(CAS-No.) 127-51-5	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
LINALYL ACETATE	(CAS-No.) 115-95-7	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
LINALOOL	(CAS-No.) 78-70-6	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
ACETYL CEDRENE	(CAS-No.) 32388-55-9	1 – 5	Skin Sens. 1B, H317
CITRAL	(CAS-No.) 5392-40-5	< 0.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 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 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 eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.
4.2. Most important symptoms and effect	cts (acute and delayed)
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
4.3. Immediate medical attention and sp	ecial treatment, if necessary
Treat symptomatically.	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguish	ning media
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Specific hazards arising from the ch	nemical
Fire hazard	: Combustible liquid.
5.3. Special protective equipment and p	recautions for fire-fighters
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	sures
6.1. Personal precautions, protective eq	uipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Safety Data Sheet

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

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".
6.2.	Environmental precautions	
Avoid rele	ease to the environment.	
6.3.	Methods and material for containment	and cleaning up
Methods	for cleaning up :	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other info	rmation :	Dispose of materials or solid residues at an authorized site.
6.4.	Reference to other sections	
For furthe	er information refer to section 13.	
SECTIO	ON 7: Handling and storage	
7.1.	Precautions for safe handling	
Precautio	ns for safe handling :	Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
Hygiene ı	neasures :	Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2.	Conditions for safe storage, including	any incompatibilities
Storage of	onditions	Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

CITRAL (5392-40-5				
ACGIH	Local name	Citral		
ACGIH ACGIH OEL TWA [ppm]		5 ppm (IFV - Inhalable fraction and vapor)		
ACGIH	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)			
ACGIH	Regulatory reference	ACGIH 2018		
D-LIMONENE (598	9-27-5)			
Not applicable				
Linalool (78-70-6)				
Not applicable				
LINALYL ACETATE	E (115-95-7)			
Not applicable				
1-(1,2,3,4,5,6,7,8-0	ctahydro-2,3,8,8-tetramethyl-2-naphthalenyl)etha	none (54464-57-2)		
Not applicable				
METHYL IONONE	GAMMA (127-51-5)			
Not applicable				
ACETYL CEDRENE	E (32388-55-9)			
Not applicable				

8.2. Appropriate engineering controls

Appropriate engineering controls Environmental exposure controls : Ensure good ventilation of the work station.: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Safety Data Sheet

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

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

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state	:	Liquid
Color	:	Mixture contains one or more component(s) which have the following colour(s): Colourless Colourless to light yellow Colourless to brown On exposure to air: yellow White
Odor	:	There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Floral odour Fruity odour Sweet odour Characteristic odour Lemon odour Pine odour Mild odour Almost odourless Pleasant odour Odourless Strong odour
Odor threshold	:	No data available
рН	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	≈ 73 °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
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

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

Safety Data Sheet

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

10.5. Incompatible materials No additional information available

10.6. Hazardous decomposition products

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

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SECTION 11: Toxicological infor	mation
11.1. Information on toxicological eff	ects
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
CITRAL (5392-40-5)	
ATE US (dermal)	2250 mg/kg body weight
D-LIMONENE (5989-27-5)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Read-across, Oral)
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal)
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 value, Dermal, 7 day(s))
ATE US (oral)	2790 mg/kg body weight
ATE US (dermal)	5610 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	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
D-LIMONENE (5989-27-5)	
IARC group	3 - Not classifiable
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
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.

Safety Data Sheet

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

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
D-LIMONENE (5989-27-5)	
LC50 - Fish [1]	720 μg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
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)
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)

12.2. Persistence and degradability

D-LIMONENE (5989-27-5)		
Persistence and degradability	Readily biodegradable in water.	
ThOD	3.29 g O ₂ /g substance	
Linalool (78-70-6)		
Persistence and degradability	Readily biodegradable in water.	
LINALYL ACETATE (115-95-7)		
Persistence and degradability	Readily biodegradable in water.	
ACETYL CEDRENE (32388-55-9)		
Persistence and degradability	Biodegradability in water: no data available.	

12.3. Bioaccumulative potential

D-LIMONENE (5989-27-5)		
BCF - Fish [1]	864.8 – 1022 (Pisces, QSAR, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C)	
Bioaccumulative potential	Potential for bioaccumulation ($4 \ge Log$ Kow ≤ 5).	
Linalool (78-70-6)		
Partition coefficient n-octanol/water (Log Pow)	2.84 (Experimental value, Equivalent or similar to OECD 107, 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
LINALYL ACETATE (115-95-7)		
Partition coefficient n-octanol/water (Log Pow)	3.93 (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

D-LIMONENE (5989-27-5)		
Ecology - soil	Adsorbs into the 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.	

Safety Data Sheet

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

LINALYL ACETATE (115-95-7)	
Ecology - soil	Adsorbs into the soil.

12.5. Other adverse effects

No additional information available

ISECTION 13: Disposal considerations 13.1 Disposal methods 13.1 Disposal methods Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT In accordance with DOT Not regulated In accordance description (TDG) UN-No. (TDG) : UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1- (1.2.3.4.5.6.7,8-Octahydro-2.3.8,8-tetramethyl-2-naphthalenyl)tehanone; LIMONENE), 9, III UN-No. (TDG) : UN3082 Proper Shipping Name (TDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. TDG Primary Hazard Classes : 9 - Classe 9 - Miscellaneous Products, Substances or Organisms Packing group (TDG) : III - Minor Danger TDG Special Provisions : III - Minor Danger 16 - (1) The technical name or at least one of the most dangerous substances that predominantly contributes to the hazar (1) (3) of Part 4 (Dangerous goods must be shown, in parentheses, on a small means of containment on a stagi following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous goods is not required to be shown on a shipping document or an a stage following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous goods is not required to be shown on a sinplip do	SECTION 12: Disposal considerat	iono
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG) TDG Frinany Hazard Classes Packing group (TDG) TDG Special Provisions UN 105 Special Provisions UN 106 Lineary (Linear Context) UN 107 Classes Proper Shipping Name (TDG) TDG Special Provisions UI - Minor Danger III - Min		10115
SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT Not regulated Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG) TDG Special Provisions UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone : LIMONENE), 9, III UN-No. (TDG) Proper Shipping Name (TDG) TDG Special Provisions II - Minor Danger III - Minor Danger		: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG) TDG Special Provisions TOG Special Provisions UN To Class 9 - Miscellaneous Products, Substances or Organisms Packing group (TDG) TDG Special Provisions To 6 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(iii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a shipping document or on a small means of containment or on a small means of containmen		
In accordance with DOT Not regulated Transport document description (TDG) Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG) TDG Primary Hazard Classes Packing group (TDG) TDG Special Provisions UII - Minor Danger UIII - Minor Danger UII - Minor Danger UIII - Minor Danger UII - Minor Danger UII - Minor Danger	SECTION 14: Transport Information	bh
Transport document description (TDG) : UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1- (1.2.3,4.5.6,7.8-Octahydro-2.3.8.8-tetramethyl-2-naphthalenyl)ethanone : LIMONENE), 9, III UN-No. (TDG) Proper Shipping Name (TDG) : UN3082 TDG Special Provisions : OLNS082 : TDG Special Provisions : 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with clause 3.5(1)(0)(ii)(A) of Part 3 (Document following the shipping name in accordance with subsection 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name or or the following dargerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name. (a) UN1544, ALXALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SIDI, N.O.S; (b) UN3249, MEDICINE, LOUID, TOXIC, N.O.S; (c) UN3249, MEDICINE, SOLID, N.O.S. or OLKALOIDS, LIQUID, N.O.S; (c) UN3244, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN3205, MEEDICINE, LIQUID, N.O.S, more thand the areas containment; (a) UN344, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN3249, MEDICINE, LIQUID, N.O.S, more thand the areas containment and during transport. (c) UN344, INFECTIOU		
Transport document description (TDG) : UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ; LIMONENE), 9, III UN-No. (TDG) :: UN3082 Proper Shipping Name (TDG) :: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. TDG Primary Hazard Classes :: 9 - Class 9 - Miscellaneous Products, Substances or Organisms Packing group (TDG) :: 11 - Minor Danger TDG Special Provisions :: 16 - (1) The technical name of at least one of the most dangerous substances that predominanity contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(i)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Satety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN344, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN344, MEDICINE, LIQUID, TOXIC, N.O.S; (b) UN3449, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3249, MEDICINE, SOLID, TOXIC, N.O.S; (c) UN3249, MEDICINE, SOLID, TLOMABLE, TOXIC, N.O.S; (c) UN3249, MEDICINE	Not regulated	
 (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone; LIMONENE), 9, III UN-No. (TDG) : UN3082 Proper Shipping Name (TDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. : 9 - Class 9 - Miscellaneous Products, Substances or Organisms Packing group (TDG) : III - Minor Danger TDG Special Provisions : 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on a the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name. (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1810, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (c) UN3248, MEDICINE, LIQUID, TOXIC, N.O.S; (d) UN3248, MEDICINE, LIQUID, TOXIC, N.O.S; (e) UN3244, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (f) UN2900, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (g) UN2900, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (h) UN2900, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (f) UN2900, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (g) UN2900, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (h) UN2900, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (h) UN2900, INFECTIOUS SUBSTANCE, AFFECTING HUMANS;	Transportation of Dangerous Goods	
Proper Shipping Name (TDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. TDG Primary Hazard Classes : 9 - Class 9 - Miscellaneous Products, Substances or Organisms Packing group (TDG) : III - Minor Danger TDG Special Provisions : 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Document following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1454, ALKALOID SALTS, LIQUID, FLAMMABLE, TOXIC, N.O.S; (b) UN14249, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; (c) UN249, MEDICINE, SOLID, FLAMMABLE, TOXIC, N.O.S; (c) UN2414, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN240, INFECTIOUS SUBSTANCE, SOLID, N.O.S; or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N	Transport document description (TDG)	
TDG Primary Hazard Classes 9 - Class 9 - Miscellaneous Products, Substances or Organisms Packing group (TDG) 1II - Minor Danger TDG Special Provisions 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3249, MEDICINE, SOLID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (d) UN3248, MEDICINE, SOLID, TOXIC, N.O.S; (c) UN3249, MEDICINE, SOLID, TOXIC, N.O.S; (d) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, UNFECTIOUS SUBSTANCE, SOLID, N.O.S, or UN3062, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, may be handled, offered for transport of as not angerous goods are loaded into a means containment and during transport. (a) UN2814, INFECTIOUS SUBSTANCE, SOLID, N.O.S, or UN3042, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S,	UN-No. (TDG)	: UN3082
 Packing group (TDG) III - Minor Danger TDG Special Provisions 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (d) UN3249, MEDICINE, LIQUID, TOXIC, N.O.S; (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S; (f) UN3249, MEDICINE, SOLID, TOXIC, N.O.S; (g) UN3249, MEDICINE, SOLID, TOXIC, N.O.S; (h) UN2249, MEDICINE, SOLID, TOXIC, N.O.S; (h) UN241, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS,99 - (1) Mixtures of solids that are not dangerous goods and liquids or solids that are ot UM3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3082, ENVIRONMENTALLY HAZARDOUS	Proper Shipping Name (TDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 TDG Special Provisions 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name. (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; (d) UN3248, MEDICINE, SOLID, TOXIC, N.O.S. (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (f) Du2900, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (h) UN2900, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (f) UN2904, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (g) UN2904, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (h) UN2900, UN2900, SUBSTANCE, SOLID, N.O.S, or UN3002, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN30077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or ON3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3002, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, AFFECTING dor transport or transported as UN3077 if there is no visible liquid when the dangerous goods are loaded into a means containment and during transport. (2) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2	TDG Primary Hazard Classes	: 9 - Class 9 - Miscellaneous Products, Substances or Organisms
 predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3248, MEDICINE, LIQUID, TOXIC, N.O.S. (d) UN3248, MEDICINE, SOLID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (f) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (g) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (g) UN3241, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS, 99 - (1) Mixtures of solids that are not dangerous goods and liquids or solids that are UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3082, ENVIRO	Packing group (TDG)	: III - Minor Danger
for transport or transporting of less than 450 kg of UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 L of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, on a road vehicle or a railway vehicle. The dangerous goods must be contained in one or more small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety. Explosive Limit and Limited Quantity Index : 5 L		 predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (d) UN3248, MEDICINE, SOLID, TOXIC, N.O.S. (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (f) UN2949, MEDICINE, SOLID, TOXIC, N.O.S. (g) UN2949, MEDICINE, SOLID, TOXIC, N.O.S. (g) UN2940, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (h) UN2900, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (h) UN2900, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (i) UN2900, SUBSTANCE, SOLID, N.O.S., or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 L0 of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 L0 of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 L0 of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 L0 of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SULD, N.O.S, or less than 450 L0 of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less

Safety Data Sheet

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

Transport by sea

Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ; LIMONENE), 9, III, MARINE POLLUTANT
UN-No. (IMDG)	: 3082
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class (IMDG)	: 9 - Miscellaneous dangerous substances and articles
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5L
Air transport	
Air transport Transport document description (IATA)	: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (1-(1,2,3,4,5,6,7,8-Octahydro- 2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ; LIMONENE), 9, III
Transport document description (IATA)	2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ; LIMONENE), 9, III
Transport document description (IATA)	2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ; LIMONENE), 9, III 3082

SECTION 15: Regulatory information 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

CITRAL	CAS-No. 5392-40-5	< 0.5%
LIMONENE	CAS-No. 5989-27-5	1 – 5%
LINALOOL	CAS-No. 78-70-6	1 – 5%
LINALYL ACETATE	CAS-No. 115-95-7	1 – 5%
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2- naphthalenyl)ethanone	CAS-No. 54464-57-2	1 – 5%
ALPHA-ISOMETHYL IONONE	CAS-No. 127-51-5	1 – 5%
ACETYL CEDRENE	CAS-No. 32388-55-9	1 – 5%

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.

1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-	CAS-No. 1222-05-5	1 – 5%
gamma-2-benzopyran		

15.2. International regulations

CANADA

CITRAL (5392-40-5)
Listed on the Canadian DSL (Domestic Substances List)
D-LIMONENE (5989-27-5)
Listed on the Canadian DSL (Domestic Substances List)
Linalool (78-70-6)
Listed on the Canadian DSL (Domestic Substances List)
LINALYL ACETATE (115-95-7)
Listed on the Canadian DSL (Domestic Substances List)
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2)
Listed on the Canadian DSL (Domestic Substances List)

Safety Data Sheet

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

METHYL IONONE GAMMA (127-51-5)	
Listed on the Canadian DSL (Domestic Substances List)	
ACETYL CEDRENE (32388-55-9)	
Listed on the Canadian DSL (Domestic Substances List)	

EU-Regulations No additional information available

National regulations	
CITRAL (5392-40-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on KECI (Korean Existing Chemicals Inventory) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on NZIOC (New Zealand Inventory of Chemicals) Listed on the Japanese ENCS (Existing New Chemical Substances) inventory Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the EC Inventory Listed on the Australian HSIS Consolidated List Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)	
D-LIMONENE (5989-27-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on KECI (Korean Existing Chemicals Inventory) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on NZIOC (New Zealand Inventory of Chemicals) Listed on the Japanese ENCS (Existing New Chemical Substances) inventory Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the EC Inventory Listed on the Australian HSIS Consolidated List Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)	
Linalool (78-70-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on KECI (Korean Existing Chemicals Inventory) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ENCS (Existing New Chemical Substances) inventory Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the EC Inventory Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)	
LINALYL ACETATE (115-95-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on KECI (Korean Existing Chemicals Inventory) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ENCS (Existing New Chemical Substances) inventory Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the EC Inventory Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)	

Safety Data Sheet

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

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1-(1,2,3	3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2)
Listed of Listed of Listed of Listed of Listed of Listed of Listed in Listed of	on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) on the TCSI (Taiwan Chemical Substance Inventory) on NZIoC (New Zealand Inventory of Chemicals) on the Japanese ENCS (Existing New Chemical Substances) inventory on PICCS (Philippines Inventory of Chemicals and Chemical Substances) on the EC Inventory on INSQ (Mexican National Inventory of Chemical Substances) introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) on KECL/KECI (Korean Existing Chemicals Inventory) on KECI (Korean Existing Chemicals Inventory)
METHY	YL IONONE GAMMA (127-51-5)
Listed of Listed of Listed of Listed of Listed of Listed of Listed of Listed of	on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) on the TCSI (Taiwan Chemical Substance Inventory) on NZIoC (New Zealand Inventory of Chemicals) on the Japanese ENCS (Existing New Chemical Substances) inventory on PICCS (Philippines Inventory of Chemicals and Chemical Substances) on the EC Inventory on INSQ (Mexican National Inventory of Chemical Substances) introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) on KECL/KECI (Korean Existing Chemicals Inventory) on KECI (Korean Existing Chemicals Inventory)
ACETY	/L CEDRENE (32388-55-9)
Listed of Listed of Listed of Listed of Listed of Listed of Listed of Listed of	on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) on the TCSI (Taiwan Chemical Substance Inventory) on NZIOC (New Zealand Inventory of Chemicals) on the Japanese ENCS (Existing New Chemical Substances) inventory on PICCS (Philippines Inventory of Chemicals and Chemical Substances) on the EC Inventory on INSQ (Mexican National Inventory of Chemical Substances) introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) on KECL/KECI (Korean Existing Chemicals Inventory) on KECI (Korean Existing Chemicals Inventory)

SECTION 16: Other information

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

Revision date

: 08/29/2023

Full text of H-phrases:

H226	Flammable liquid and vapor
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious 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.