

SAFETY DATA SHEET

504855 BLACKWOOD BASE

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Version # 02

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1. IDENTIFICATION**Product Description:** BLACKWOOD BASE**CAS #** MIXTURE**Other means of identification****Vigon Item #** 504855**Recommended use** Concentrated aromatic ingredient which may be used fragrance compounds according to legal and IFRA guidelines.**Recommended restrictions** For Manufacturing Use OnlyCompany

Vigon International, Inc.

127 Airport Road

E. Stroudsburg, PA 18301

For information call: 570-476-6300

Web Site: www.vigon.com

24 Hour Emergency Response Information

INFOTRAC (ACCT# 78928);

1-800-535-5053 WITHIN THE U.S.A.

1-352-323-3500 OUTSIDE THE U.S.A.

Manufacturer/Importer/Supplier/Distributor information**Manufacturer****Company name** Vigon International, Inc.**Address** 127 Airport Road
E. Stroudsburg, PA 18301
United States**Telephone** For information call: 570-476-6300**Website** www.vigon.com**E-mail** Not available.**Emergency phone number** INFOTRAC (ACCT# 78928);
1-800-535-5053 WITHIN THE U.S.A.
1-352-323-3500 OUTSIDE THE U.S.A.**2. HAZARD(S) IDENTIFICATION****Physical hazards** Not classified.**Health hazards** Acute toxicity, dermal Category 5

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 1

Sensitization, skin Category 1

Environmental hazards Hazardous to the aquatic environment, Category 2
long-term hazard**Label elements****Signal word**

Warning

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Hazard statement	Causes mild skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.
Precautionary statement	
Prevention	Avoid breathing mist or vapor. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear eye protection/face protection. Wear protective gloves.
Response	IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage.
Storage	Store away from incompatible materials.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	30.25% of the mixture consists of component(s) of unknown acute dermal toxicity. 90% of the mixture consists of component(s) of unknown acute inhalation toxicity. 11.5% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical name	Common name and synonyms	CAS number	%
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethan-1-one	patchouli ethanone ambergis ketone methyl cyclomyrcetone timbrone supra	54464-57-2	15 - < 20
(1-ETHOXYETHOXY) CYCLODODECANE	CYCLODODECANE, (1-ETHOXYETHOXY)-	389083-83-4	10 - < 15
HYDROGENATED METHYL ROSINATE		8050-15-5	10 - < 15
2,6-DIMETHYL-7-OCTEN-2-OL	DIMYRCETOL 2,6-DIMETHYL-7-OCTEN-2-OL 7-Octen-2-ol, 2,6-dimethyl- 2,6-Dimethyloct-7-en-2-ol lymolene	18479-58-8	7.5 - < 10
4-CYCLOHEXYL-2-METHYLBUTAN-2-OL	2,2- dimethyl cyclohexane propanol alpha,alpha- dimethyl cyclohexane propanol	83926-73-2	7.5 - < 10
CITRONELLOL	3,7-DIMETHYL-6-OCTEN-1-OL 6-Octen-1-ol, 3,7-dimethyl- 2,6- dimethyl-2-octen-8-ol	106-22-9	7.5 - < 10
(2S)-PROPYL 2-(1,1-DIMETHYLPROPOXY) PROPANOATE	propyl (2S)-2-(1,1-dimethylpropoxy) propanoate Propanoic acid, 2-(1,1-dimethylpropoxy)-, propyl ester, (2S)-	319002-92-1	5 - < 7.5

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Chemical name	Common name and synonyms	CAS number	%
CYCLOHEXANEPROPANOL, 2,2,6-TRIMETHYL- .ALPHA.-PROPYL-	6-(2,2,6- trimethyl cyclohexyl) -4-hexanol 2,2,6-TRIMETHYL-A-PROPYL CYCLOHEXANE PROPANOL 1-(2,2,6-Trimethyl cyclohexyl)hexane-3-ol cyclohexanepropanol, 2,2,6-trimethyl-a-propyl-	70788-30-6	5 - < 7.5
[cis-4- (propan-2-yl)cyclohexyl]methanol	cis-tetrahydro perillyl alcohol CIS-P-MENTHAN-7-OL Cyclohexanemethanol, 4-(1-methylethyl)-, cis- cis-4-(Isopropyl)cyclohexanemethanol	13828-37-0	1 - < 2.5
1-Propanol, 2-[1-(3,3-dimethylcyclohexyl) ethoxy]-2-methyl-,propanoate	[2-[1-(3,3-dimethylcyclohexyl)ethoxy] -2-methylpropyl]propanoate	141773-73-1	1 - < 2.5
BENZENEACETONITRILE, .ALPHA.-BUTYLIDENE-, (Z)-		130786-09-3	1 - < 2.5
CYCLOHEXANEPROPANOL, 2,2,3,6-TETRAMETHYL-ALPHA- PROPYL-	2,2,3,6- tetramethyl-a-propylcyclohexane propanol	95851-08-4	1 - < 2.5
SPIRO[5.5]UNDEC-8-EN-1-OL, 2,2,9,11-TETRAMETHYL-, 1-ACETATE		678981-31-2	1 - < 2.5
2-methyl-4-(2,2,3-trimethylcyclo pent-3-en-1-yl)pent-4-en-1-ol	3-CYCLOPENTEN-1-BUTANOL, BETA, 2,2,3-TETRAMETHYL-DELTA- METHYLENE-	104864-90-6	0.5< 1
CEDRENE ALPHA	laevo-alpha- cedrene 1H-3a,7- methanoazulene, 2,3,4,7,8,8a-hexahydro-3,6,8,8-tetrameth yl-, (3R,3aS,7S,8aS)-	469-61-4	0.5< 1
3-CYCLOPENTENE-1-BUTANAL, .ALPHA.,2,2,3-TETRAMETHYL- .GAMMA.-METHYLENE	.ALPHA.,2,2,3-TETRAMETHYL-.GAMMA.- METHYLENE-3-CYCLOPENTENE-1- BUTANAL	166432-53-7	0.1< 0.5
Other components below reportable levels			5 - < 10

4. FIRST-AID MEASURES

Inhalation

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.

Skin contact

Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.

Eye contact

Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.

Ingestion

Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.



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Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Not available.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, fog, CO ₂ , dry chemical, or alcohol resistant foam.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or toxic gases.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.
Specific methods	Use water spray to cool unopened containers.
General fire hazards	Static charges generated by emptying package in or near flammable vapor may cause flash fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

The product is immiscible with water and will spread on the water surface.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of spillage as indicated in section 13 of the SDS.



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Environmental precautions	Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.
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7. HANDLING AND STORAGE

Precautions for safe handling	Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.
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Conditions for safe storage, including any incompatibilities	Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.
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Biological limit values	No biological exposure limits noted for the ingredient(s).
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Appropriate engineering controls	Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded.
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Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles). Face shield is recommended.
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Skin protection

Hand protection	Chemical resistant gloves.
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Other	Use of an impervious apron is recommended.
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Respiratory protection	Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided.
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Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
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General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Refer to Spec Sheet
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Physical state	Liquid.
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Form	Liquid.
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Color	Refer to Spec Sheet
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Odor	Characteristic.
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Odor threshold	Not available.
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pH	Not available.
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Melting point/freezing point	Not available.
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Initial boiling point and boiling range	Not available.
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Flash point	> 200.0 °F (> 93.3 °C) Closed Cup
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Evaporation rate	Not available.
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Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density 0.94 at d 20/20

Solubility(ies)

Solubility (water) Insoluble

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Molecular formula Not applicable

Oxidizing properties Not oxidizing.

Specific gravity 0.94 at 25 °C

VOC < 26 %

10. STABILITY AND REACTIVITY

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

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products No hazardous decomposition products if stored and handled as indicated.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation No adverse effects due to inhalation are expected.

Skin contact Causes mild skin irritation. May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Ingestion Expected to be a low ingestion hazard.

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Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Not known.

Components	Species	Test Results
(2S)-PROPYL 2- (1,1-DIMETHYLPROPOXY) PROPANOATE (CAS 319002-92-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
[cis-4- (propan-2-yl)cyclohexyl]methanol (CAS 13828-37-0)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Oral</i>		
LD50	Rat	> 10000 mg/kg
1-(1,2,3,4,5,6,7,8- Octahydro-2,3,8,8- tetramethyl-2- naphthyl) ethan-1-one (CAS 54464-57-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
1-Propanol, 2-[1-(3,3-dimethylcyclohexyl) ethoxy]-2-methyl-,propanoate (CAS 141773-73-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg (OECD 401: limit)
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg (OECD 402: limit)
2,6-DIMETHYL-7-OCTEN-2-OL (CAS 18479-58-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg
<i>Oral</i>		
LD50	Rat	3600 mg/kg

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Components	Species	Test Results
2-methyl-4-(2,2,3-trimethylcyclo pent-3-en-1-yl)pent-4-en-1-ol (CAS 104864-90-6)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg OECD 402
Oral		
LD50	Rat	> 5000 mg/kg OECD 401
4-CYCLOHEXYL-2- METHYLBUTAN-2-OL (CAS 83926-73-2)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg
CITRONELLOL (CAS 106-22-9)		
Acute		
Dermal		
LD50	Rabbit	2650 mg/kg
Oral		
LD50	Rat	3450 mg/kg
CYCLOHEXANEPROPANOL, 2,2,6-TRIMETHYL- .ALPHA.-PROPYL- (CAS 70788-30-6)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Oral		
LD50	Rat	> 20000 mg/kg
Skin corrosion/irritation	Causes mild skin irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory or skin sensitization		
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	May cause an allergic skin reaction.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity		
IARC Monographs. Overall Evaluation of Carcinogenicity		
Not listed.		
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)		
Not regulated.		

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US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Further information	This mixture has not been subjected to full toxicological testing. According to available data on the constituents the health classification criteria are met.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to aquatic life with long lasting effects. This mixture has not been subjected to ecotoxicological testing as an entity. According to available data on the constituents the environmental classification criteria are met.
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Components		Species	Test Results
(2S)-PROPYL 2- (1,1-DIMETHYLPROPOXY) PROPANOATE (CAS 319002-92-1)			
Aquatic			
Acute			
Algae	EC50	Algae	> 100 mg/l OECD 201
Crustacea	EC50	Daphnia	20 mg/l OECD 202
Fish	LC50	Fish	13 mg/l OECD 203
1-(1,2,3,4,5,6,7,8- Octahydro-2,3,8,8- tetramethyl-2- naphthyl) ethan-1-one (CAS 54464-57-2)			
Aquatic			
Acute			
Algae	EC50	Green algae (Desmodesmus subspicatus)	> 2.6 mg/l, 72 hours (based on biomass) - Algae study carried out according to a method similar to the OECD 201 guideline
			> 2.6 mg/l, 72 hours (based on growth rate) - Algae study carried out according to a method similar to the OECD 201 guideline
	NOEC	Green algae (Desmodesmus subspicatus)	2.6 mg/l, 72 hours (based on growth rate) - Algae study carried out according to a method similar to the OECD 201 guideline
Crustacea	EC50	Daphnia magna	1.38 mg/l, 48 hours Daphnia study carried out according to a method similar to the OECD 202 guideline

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Components		Species	Test Results
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	1.3 mg/l, 96 hours Fish study carried out according to a method similar to the OECD 203 guideline
<i>Chronic</i>			
Crustacea	LOEC	Daphnia magna	0.244 mg/l, 21 days (based on body length) - Daphnia study carried out according to the OECD 211 guideline 0.096 mg/l, 21 days (based on reproduction) - Daphnia study carried out according to the OECD 211 guideline
	NOEC	Daphnia magna	0.448 mg/l, 21 days (based on mortality) - Daphnia study carried out according to the OECD 211 guideline 0.096 mg/l, 21 days (based on body length) - Daphnia study carried out according to the OECD 211 guideline 0.028 mg/l, 21 days (based on reproduction) - Daphnia study carried out according to the OECD 211 guideline
Fish	LOEC	Danio rerio	0.29 mg/l, 30 days (based on length and weight) - Fish study carried out according to the OECD 210 guideline
	NOEC	Danio rerio	0.54 mg/l, 30 days (based on time to hatch) - Fish study carried out according to the OECD 210 guideline 0.54 mg/l, 30 days (based on egg survival) - Fish study carried out according to the OECD 210 guideline 0.3 mg/l, 30 days (based on post hatch survival) - Fish study carried out according to the OECD 210 guideline 0.16 mg/l, 30 days (based on length and weight) - Fish study carried out according to the OECD 210 guideline

1-Propanol, 2-[1-(3,3-dimethylcyclohexyl) ethoxy]-2-methyl-,propanoate (CAS 141773-73-1)

Aquatic

Acute

Algae	EC50	Algae	> 1.1 mg/l, 72 hours (OECD 201)
Crustacea	EC50	Daphnia magna	3.3 mg/l, 48 hours (OECD 202)
Fish	LC50	Fish	3.6 mg/l, 96 hours (OECD 203)

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Components		Species	Test Results
2,6-DIMETHYL-7-OCTEN-2-OL (CAS 18479-58-8)			
Other	EC50	Activated sludge of a predominantly domestic sewage	> 100 mg/l, 3 hours (respiration rate - nominal concentration - OECD 209)
Aquatic			
Algae	EC50	Algae	80 mg/l, 72 hours (based on growth rate - nominal concentration - OECD 201)
			65 mg/l, 72 hours (based on biomass - nominal concentration - OECD 201)
	LOEC	Algae	50 mg/l, 72 hours (nominal concentration - OECD 201)
	NOEC	Algae	25 mg/l, 72 hours (nominal concentration - OECD 201)
Crustacea	LC50	Daphnia magna	38 mg/l, 48 hours (nominal concentration - OECD 202)
	NOEC	Daphnia magna	9.5 mg/l, 21 day (OECD 211 conducted with a structurally related substance)
Fish	LC50	Oncorhynchus mykiss	27.8 mg/l, 96 hours (measured concentration - OECD 203 conducted with a structurally related substance)
2-methyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)pent-4-en-1-ol (CAS 104864-90-6)			
Aquatic			
<i>Acute</i>			
Algae	ErC50	Algae	> 0.61 mg/l OECD 201
Crustacea	EC50	Daphnia	0.6 mg/l OECD 202
Fish	LC50	Fish	> 0.74 mg/l OECD 203
4-CYCLOHEXYL-2-METHYLBUTAN-2-OL (CAS 83926-73-2)			
Aquatic			
Algae	EC50	Algae	25 mg/l, 72 hours
Crustacea	EC50	Daphnia	3.8 mg/l, 48 hours
Fish	LC50	Fish	13 mg/l, 96 hours
CEDRENE ALPHA (CAS 469-61-4)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	0.044 mg/l, 48 hours
CITRONELLOL (CAS 106-22-9)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	2.4 mg/l, 72 hours
Crustacea	EC50	Daphnia	17 mg/l, 48 hours

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Components		Species	Test Results
Fish	LC50	Leuciscus idus (Golden orfe)	> 10 - < 22 mg/l, 96 hours
HYDROGENATED METHYL ROSINATE (CAS 8050-15-5)			
<i>Acute</i>			
	EL50	Selenastrum capricornutum (new name Pseudokirchnerella subca	> 1000 mg/l, 72 hours OECD 201
Aquatic			
<i>Acute</i>			
Crustacea	EL50	Daphnia magna	27 mg/l, 48 hours OECD 202
Fish	LL50	Pimephales promelas	> 1000 mg/l, 96 hours OECD 203
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.		
Bioaccumulative potential	No data available.		
Mobility in soil	No data available.		
Other adverse effects	The product contains volatile organic compounds which have a photochemical ozone creation potential.		

13. DISPOSAL CONSIDERATIONS

Disposal instructions	Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	Not established.
Waste from residues / unused products	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ADN

UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8- tetramethyl-2- naphthyl) ethan-1-one, (1-ETHOXYETHOXY) CYCLODODECANE)
Transport hazard class(es)	9
Subsidiary class(es)	-
Packing group	III
Environmental hazards	Yes
Labels required	9

ADR

UN number	3082
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UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8- tetramethyl-2- naphthyl) ethan-1-one, (1-ETHOXYETHOXY) CYCLODODECANE)
Transport hazard class(es)	9
Subsidiary class(es)	-
Packing group	III
Environmental hazards	Yes
Labels required	9

RID

UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8- tetramethyl-2- naphthyl) ethan-1-one, (1-ETHOXYETHOXY) CYCLODODECANE)
Transport hazard class(es)	9
Subsidiary class(es)	-
Packing Group	III
Environmental Hazards	Yes
Labels required	9
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

DOT

BULK

UN number	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8- tetramethyl-2- naphthyl) ethan-1-one, (1-ETHOXYETHOXY) CYCLODODECANE)
Hazard class	9
Packing group	III
Environmental hazards	
Marine pollutant	Yes
Packaging exceptions	155
Packaging bulk	241
Labels required	9

DOT

NON-BULK

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8- tetramethyl-2- naphthyl) ethan-1-one, (1-ETHOXYETHOXY) CYCLODODECANE)
Transport hazard class(es)	9
Subsidiary class(es)	-

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Revision Date: 05-04-2018

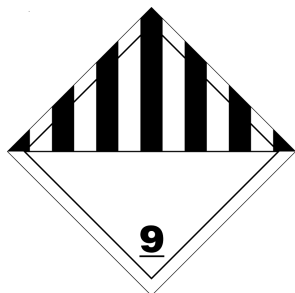
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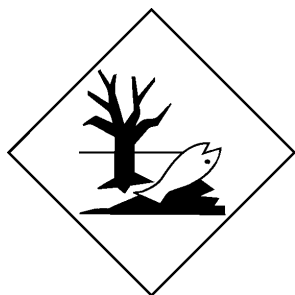
Print Date: 05-04-2018

Packing group III
Environmental hazards
Marine pollutant Yes
Labels required 9
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

ADN; ADR; DOT BULK; IMDG; RID



Marine pollutant

**15. REGULATORY INFORMATION****US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**SARA 302 Extremely hazardous substance**

Not listed.



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SARA 311/312 Hazardous chemical

Yes

Classified hazard categories

Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

California Proposition 65

California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue date

11-18-2015

Revision date

05-04-2018

Version #

02

HMIS® ratings

Health: 3

Flammability: 1

Physical hazard: 0



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Disclaimer

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Revision information

This document has undergone significant changes and should be reviewed in its entirety.