

## 502041 TANGERIS GIVCO 212

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1. IDENTIFICATION

Product Description: TANGERIS GIVCO 212

CAS # MIXTURE

Other means of identification

Vigon Item # 502041

Recommended use Concentrated aromatic ingredient which may be used fragrance compounds according to legal and

IFRA guidelines.

Recommended restrictions For Manufacturing Use Only

Company 24 Hour Emergency Response Information

Vigon International, LLC INFOTRAC (ACCT# 78928);

127 Airport Road 1-800-535-5053 WITHIN THE U.S.A. 1-352-323-3500 OUTSIDE THE U.S.A.

E. Stroudsburg, PA 18301

For information call: 570-476-6300

Web Site: www.vigon.com

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Vigon International, LLC

Address 127 Airport Road

E. Stroudsburg, PA 18301

**United States** 

**Telephone** For information call: 570-476-6300

Website www.vigon.com

**E-mail** regulatory@vigon.com

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 Flammable liquids Category 3

Health hazards Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A
Sensitization, skin Category 1
Aspiration hazard Category 1

Environmental hazards Not classified.

Label elements



Signal word Danger



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Hazard statement Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation.

May cause an allergic skin reaction. Causes serious eye irritation.

**Precautionary statement** 

**Prevention** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed. Keep cool. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing mist/vapors. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective

gloves/protective clothing/eye protection/face protection/hearing protection.

Response IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON

SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. In case of fire: Use appropriate media to extinguish.

Storage Store in a well-ventilated place. Keep cool. Store locked up.

LINALYL ALCOHOL

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise

classified (HNOC)

None known.

**Supplemental information** 93.96% of the mixture consists of component(s) of unknown acute inhalation toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
CARVENE	DIPENTENE (+)-P-MENTHA-1,8-DIENE (R)-(+)-Limonene (R)-4-Isopropenyl-1-methyl-1-cyclohexen e 1- methyl-4-prop-1-en-2-ylcyclohexene	5989-27-5	10 - < 20
HEXYL CINNAMIC ALDEHYDE	<ul><li>2-( phenylmethylidene)octanal</li><li>2- benzylidene octanal</li><li>alpha- hexyl cinnamaldehyde</li><li>hexyl cinnamal</li></ul>	101-86-0	10 - < 20
ISOPROPYLPHENYLBUTANAL	3-(3- propan-2-ylphenyl)butanal BENZENEPROPANAL,BETA-METHYL-3- (1- METHYLETHYL) BETA-METHYL-3-(1-METHYLETHYL)-B ENZENEPROPANAL	125109-85-5	5 - < 10
ALLYL (3-METHYLBUTOXY)ACETATE		67634-00-8	3 - < 5
LINALOOL	2,6-DIMETHYL-2,7-OCTADIENE-6-OL 1,6-Octadien-3-ol, 3,7-dimethyl- 3,7-Dimethylocta-1,6-dien-3-ol	78-70-6	3 - < 5



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Chemical name	Common name and synonyms	CAS number	%
2,4-DIMETHYLCYCLOHEX-3-ENE- 1-CARBALDEHYDE	4-formyl-1,3-dimethylcyclohex-1-ene 2,4-DIMETHYL-3-CYCLOHEXEN-1- CARBOXALDEHYDE 3-Cyclohexene-1-carboxaldehyde, 2,4-dimethyl- DIMETHYLCYCLOHEX-3-ENE-1- CARBALDEHYDE (MIXED ISOMERS)	68039-49-6	1 - < 3
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	1 - < 3
2-CYCLOHEXYLIDENE-2- PHENYLACETONITRILE	benzeneacetonitrile, a-cyclohexylidene- cyclohexylidenephenylacetonitrile a-cyclohexylidenebenzeneacetonitrile	10461-98-0	1 - < 3
2-METHYL UNDECANAL	methyl N-nonyl acetaldehyde 2- methyl-1-undecanal 2- methylhendecanal	110-41-8	1 - < 3
CITRONELLAL	3,7-dimethyloct-6-enal 2,3- dihydrocitral 6-Octenal, 3,7-dimethyl- RHODINAL	106-23-0	1-<3
DECANAL	CAPRINIC ALDEHYDE DECYL ALDEHYDE DECYLIC ALDEHYDE 1-DECANAL C-10 ALDEHYDE CAPRIC ALDEHYDE	112-31-2	1 - < 3
HEXYL SALICYLATE	hexyl o-hydroxybenzoate hexyl 2-hydroxy-1-benzene carboxylate hexyl 2-hydroxybenzoate	6259-76-3	1 - < 3
IONONE BETA	beta-cyclocitrylidene acetone (E)-4-(2,6,6- trimethyl-1-cyclohexenyl)but-3-en-2-one 4-(2,6,6-Trimethylcyclohex-1-ene-1-yl)-bu t-3-ene-2-one 3-Buten-2-one, 4-(2,6,6-trimethyl-1-cyclohexen-1-yl)- BETA-IONONE	14901-07-6	1 - < 3
2,4,6-trimethylcyclohex-3-ene- 1-carbaldehyde	isocyclovert	1335-66-6	< 1
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	< 1
DODECANENITRILE		2437-25-4	< 1



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Chemical name	Common name and synonyms	CAS number	%
TRIDECENE-2-NITRILE	2-Tridecenenitrile Tridec-2-enenitrile	22629-49-8	< 0.1

Other components below reportable levels

30 - < 40

#### 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

Not available.

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.

Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and Eye contact

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.

Most important

General information

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special treatment

needed

Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness

and pain. May cause an allergic skin reaction. Dermatitis. Rash.

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

Unsuitable extinguishing media

Specific hazards arising from

the chemical

Water spray, fog, CO2, dry chemical, or alcohol resistant foam.

Do not use a solid water stream as it may scatter and spread fire.

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

Fire fighting

equipment/instructions

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. 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.



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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.

Large Spills: Dike the spilled material, where this is possible. Collect and dispose of spillage as indicated in section 13 of the SDS.

Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains.

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

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Stop the flow of material, if this is without risk. Cover with plastic sheet to prevent spreading.

**Environmental precautions** 

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

#### 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.

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.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

**Biological limit values** 

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Use explosion-proof ventilation equipment to stay below exposure limits.

Individual protection measures, such as personal protective equipment

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

Skin protection

Hand protection Chemical resistant gloves.

Other Use of an impervious apron is recommended.

Respiratory protection Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must

be provided.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. 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

Physical state Liquid.
Form Liquid.

Color Refer to Spec Sheet

Odor Characteristic.
Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling Not available.

range

Flash point 138.0 °F (58.9 °C) Closed Cup

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 0.24 hPa at 20 °C Calculated (96.4 %)

Vapor densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Insoluble

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

**Density** 940.97 kg/m3 at 20 °C

**Explosive properties** Not explosive.

Flammability class Combustible II estimated

Molecular formulaNot applicableOxidizing propertiesNot oxidizing.Specific gravity0.94 at 25 °C

### 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.



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Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. 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 skin irritation. May cause an allergic skin reaction.

Eye contact

Causes serious eye irritation. Causes mild eye irritation.

**Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious

chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness

and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways.

Product Species Test Results

**TANGERIS GIVCO 212** 

Acute

Oral

LD50

> 2000 mg/kg Acute toxicity estimate

Components Species Test Results

2,4,6-trimethylcyclohex-3-ene- 1-carbaldehyde (CAS 1335-66-6)

Acute

Dermal

LD50 Rabbit > 4600 mg/kg

Oral

LD50 Rat 4150 mg/kg

2,4-DIMETHYLCYCLOHEX-3-ENE-1-CARBALDEHYDE (CAS 68039-49-6)

Acute

Oral

LD50 Rat 3900 mg/kg

2,6-DIMETHYL-7-OCTEN-2-OL (CAS 18479-58-8)

Acute

Oral

LD50 Rat 3600 mg/kg



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Components	Species	Test Results
Presumed Non-Tox	xic	
Dermal		
LD50	Rabbit	>= 5000 mg/kg
2-CYCLOHEXYLIDENE-2- F	PHENYLACETONITRILE (CAS 10461-98-0)	
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg Method: OECD Test Guideline 402
Inhalation		
LC50	Rabbit	> 5 mg/l Method: OECD Test Guideline 403
Oral		
LD50	Rat	619 mg/kg Method: OECD Test Guideline 401
2-METHYL UNDECANAL (C	CAS 110-41-8)	
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg
CARVENE (CAS 5989-27-5)	)	
Acute		
Oral		
LD50	Rat	4400 mg/kg
CITRONELLAL (CAS 106-2	3-0)	
Acute		
Dermal		
LD50	Rabbit	> 2500 mg/kg
Oral		
LD50	Rat	2420 mg/kg
CITRONELLOL (CAS 106-2	2-9)	
Acute		
Dermal		
LD50	Rabbit	2650 mg/kg
Oral		
LD50	Rat	3450 mg/kg



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Components	Species	Test Results
DECANAL (CAS 112-31-2	)	
Acute		
Dermal	D 11.9	50.40 #
LD50	Rabbit	5040 mg/kg
Oral		
LD50	Rat	3730 mg/kg
HEXYL CINNAMIC ALDER	HYDE (CAS 101-86-0)	
Acute		
Oral		
LD50	Rat	> 3000 mg/kg
HEXYL SALICYLATE (CA	S 6259-76-3)	
Acute		
Dermal		
	Rabbit	> 5000 mg/kg
Oral		
	Rat	> 5000 mg/kg
IONONE BETA (CAS 1490	01-07-6)	
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Oral		
LD50	Rat	> 4000 mg/kg
ISOPROPYLPHENYLBUT	ANAL (CAS 125109-85-5)	
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg Method: OECD Test Guideline 402
Oral		
LD50	Rat	> 2000 mg/kg Method: OECD Test Guideline 401
LINALOOL (CAS 78-70-6)		
Acute		
Oral		
LD50	Rat	2790 mg/kg



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Components Species Test Results

TRIDECENE-2-NITRILE (CAS 22629-49-8)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg

Oral

LD50 Rat > 5000 mg/kg

**Skin corrosion/irritation** Causes skin irritation.

May cause skin irritation and/or dermatitis.

Serious eye damage/eye Causes serious eye irritation.

**irritation** May cause irreversible eye damage.

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

CARVENE (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**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** May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components Species Test Results

2,4-DIMETHYLCYCLOHEX-3-ENE-1-CARBALDEHYDE (CAS 68039-49-6)

Aquatic

Acute

Algae EC50 Green algae (Desmodesmus

subspicatus)

31, 72 hours (based on growth rate -

nominal concentration - OECD 201)



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Components		Species	Test Results
Crustacea	EC50	Daphnia magna	22.4, 48 hours (measured concentration - similar to OECD 202)
Fish	LC50	Oncorhynchus mykiss (reported as Salmo gairdneri)	7.5, 96 hours (measured concentration - OECD 203)
2,6-DIMETHYL-7-OCT	ΓEN-2-OL (CAS 184	479-58-8)	
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, 72 hours (based on growth rate – nominal concentration – OECD 201)
			65, 72 hours (based on biomass - nominal concentration - OECD 201)
	LOEC	Algae	50, 72 hours (nominal concentration – OECD 201)
	NOEC	Algae	25, 72 hours (nominal concentration – OECD 201)
Crustacea	LC50	Daphnia magna	38, 48 hours (nominal concentration - OECD 202)
	NOEC	Daphnia magna	9.5, 21 day (OECD 211 conducted with a structurally related substance)
Fish	LC50	Oncorhynchus mykiss	27.8, 96 hours (measured concentration - OECD 203 conducted with a structurally related substance)
CARVENE (CAS 5989	9-27-5)		
Aquatic			
Other	EC50	Activated Sludge	3.94
Acute			
Crustacea	EC50	Water flea (Daphnia pulex)	69.6, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	>= 0.619 - <= 0.796 mg/l, 96 hours
		Rainbow trout,donaldson trout (Oncorhynchus mykiss)	35, 4 days
CITRONELLOL (CAS	106-22-9)		
Aquatic			
Acute			
Algae	EC50	Algae	2.4, 72 hours
Crustacea	EC50	Daphnia	17, 48 hours
Fish	LC50	Leuciscus idus (Golden orfe)	> 10 - < 22 mg/l, 96 hours



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Components		Species	Test Results
HEXYL SALICYLATE	(CAS 6259-76-3)		
Aquatic			
Acute			
Algae	EC50	Green algae (Desmodesmus subspicatus)	0.61, 72 hours
Crustacea	EC50	Daphnia magna	1.5, 24 hours
IONONE BETA (CAS	14901-07-6)		
Other	EC50	Activated sludge of a predominantly domestic sewage	1000, 0.5 hours DIN EN ISO 8192-OECD 209-88/302/EEC,P C aerobic
Aquatic			
Algae	EC50	Green algae (Chlamydomonas variabilis)	22.15, 72 hours DIN 38412 Part 9 static The detail of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.
Crustacea	EC50	Daphnia magna	4.03, 48 hours OECD Giudeline 202, part 1 static The detail of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.
Fish	LC50	Pimephales promelas	5.09, 96 hours EPA 72-1 Flow through The detail of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.
ISOPROPYLPHENYL	BUTANAL (CAS 12	25109-85-5)	
Aquatic			
Algae	ErC50	Green algae (Desmodesmus subspicatus)	11, 72 hours
Crustacea	EC50	Water flea (Daphnia magna)	7.7, 48 hours
Fish	LC50	Salmo gairdneri (new name Oncorhynchus mykiss)	1.082, 96 hours
LINALOOL (CAS 78-7	0-6)		
Other	EC10	Activated sludge of a predominantly domestic sewage	> 100 mg/l, 3 hours



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Components		Species	Test Results
Aquatic			
Algae	EC50	Green algae (Chlamydomonas variabilis)	88.3, 96 hours DIN 38412 Part 9 static. The details of the toxic effect related to the nominal concentration.
Crustacea	EC50	Daphnia magna	20, 48 hours DIN 38412 Part 11 static. The details of the toxic effect related to the nominal concentration.
Fish	LC50	Ide, silver or golden orfe (Leuciscus idus)	> 22 - < 46 mg/l, 96 hours DIN 38412 Part 15 static. The details of the toxic effect related to the nominal concentration.
	LC50-R	Fish	27.8, 96 hours
TRIDECENE-2-NITRII	LE (CAS 22629-49-8	3)	
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	0.02, 48 hours OECD Test Guideline 202

### Persistence and degradability

#### Biodegradability

Percent degradation (Aerobic biodegradation-ready)

LINALOOL > 60 - < 70 %, Readily biodegradable (according to OECD

criteria).

Result: OECD 301D; EEC 92/69, C4-E (aerobic)

Test Duration: 28 days

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

CARVENE 4.232 CITRONELLAL 3.53

LINALOOL 2.97, (OECD Guideline 107)

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

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).



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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 1169

UN proper shipping name EXTRACTS, AROMATIC, LIQUID

Transport hazard class(es) 3
Subsidiary class(es) Packing group III
Environmental hazards No
Labels required 3

**ADR** 

UN number 1169

UN proper shipping name EXTRACTS, AROMATIC, LIQUID

Transport hazard class(es) 3
Subsidiary class(es) Packing group III
Environmental hazards No
Labels required 3

**RID** 

UN number 1169

UN proper shipping name EXTRACTS, AROMATIC, LIQUID

Transport hazard class(es) 3
Subsidiary class(es) Packing Group III
Environmental Hazards No
Labels required 3

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

DOT

**BULK** 

UN number 1169

Proper shipping name EXTRACTS, AROMATIC, LIQUID

Hazard class 3
Packing group III

**Environmental hazards** 

Marine pollutant No Labels required 3

DOT

**NON-BULK** 

Not regulated as dangerous goods.

**IATA** 

UN number 1169

UN proper shipping name EXTRACTS, AROMATIC, LIQUID



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Transport hazard class(es) 3
Subsidiary class(es) Packing group III
Environmental hazards No
Labels required 3

**IMDG** 

UN number 1169

UN proper shipping name EXTRACTS, AROMATIC, LIQUID

Not applicable.

Transport hazard class(es) 3
Subsidiary class(es) Packing group III

**Environmental hazards** 

Marine pollutant No Labels required 3

Transport in bulk according

to Annex II of MARPOL 73/78 and the IBC Code

ADN; ADR; DOT BULK; IATA; IMDG; RID



### 15. REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

**Toxic Substances Control Act (TSCA)** 

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

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

Flammable (gases, aerosols, liquids, or solids)

Skin corrosion or irritation

Serious eye damage or eye irritation Respiratory or skin sensitization

Aspiration hazard

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.

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

 Issue date
 12-01-2015

 Revision date
 11-05-2021

Version # 02

HMIS® ratings Health: 2\*

Flammability: 2 Physical hazard: 0

List of abbreviations ACGIH: American Conference of Governmental Industrial Hygienists.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AICIS: Australian Inventory of Industrial Chemicals.

CAS: Chemical Abstract Service.

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous

Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MARPOL: International Convention for the Prevention of Pollution from Ships.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit. TWA: Time Weighted Average.



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**Revision information** 

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