

# 502060 TROPIFRUIT GIVCO 205

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### 1. IDENTIFICATION

Product Description: TROPIFRUIT GIVCO 205

CAS # MIXTURE

Other means of identification

Vigon Item # 502060

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

IFRA guidelines.

Recommended restrictions For Manufacturing Use Only

<u>Company</u> <u>24 Hour Emergency Response Information</u>

Vigon International, Inc. 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

# 2. HAZARD(S) IDENTIFICATION

Physical hazardsFlammable liquidsCategory 3Health hazardsSkin corrosion/irritationCategory 2

Serious eye damage/eye irritation Category 2A
Sensitization, skin Category 1
Aspiration hazard Category 1
Hazardous to the aquatic environment, Category 1

Environmental hazards Hazardous to the aquatic environ

acute hazard

Hazardous to the aquatic environment, Category 1

long-term hazard

#### Label elements



Signal word Danger

Hazard statement

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H315 + H320 Causes skin and eye irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.



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### Precautionary statement

Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
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 protective gloves/eye protection/face protection.
IF SWALLOWED: Immediately call a POISON CENTER/doctor.
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.
Do NOT induce vomiting.
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.
Collect spillage.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

44.55% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 44.55% of the mixture consists of component(s) of unknown long-term hazards to

the aquatic environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures



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Chemical name	Common name and synonyms	CAS number	%
CARVENE	DIPENTENE (+)-P-MENTHA-1,8-DIENE (R)-(+)-Limonene (R)-4-Isopropenyl-1-methyl-1-cyclohexene 1- methyl-4-prop-1-en-2-ylcyclohexene	5989-27-5	10 - < 20
2,6-DIMETHYLHEPTAN-2-OL	2-Heptanol, 2,6-dimethyl- 2- methyl heptanole	13254-34-7	1 - < 10
ALIPHATIC ESTERS			1 - < 10
AROMATIC ESTERS			1 - < 10
BENZYL ACETATE	PHENYL METHYL ACETATE a-acetoxytoluene benzenemethanol acetate benzenemethanol ethanoate benzyl ethanoate	140-11-4	1 - < 10
DIMETHYL OCTENONE	4,7-dimethylocta-6-en-3-one 2-octen-6-one, 2,5-dimethyl 6-Octen-3-one, 4,7-dimethyl- 2,5- dimethyl-2-octen-6-one	2550-11-0	1 - < 10
ETHYL 2-METHYL BUTYRATE	ethyl alpha-methyl butyrate ethyl 2-methyl butanoate 2-methyl butanoic acid ethyl ester	7452-79-1	1 - < 10
ETHYL BUTYRATE	BUTYRIC ETHER ETHYL BUTANOATE ETHYL N-BUTYRATE N-ETHYL BUTYRATE	105-54-4	1 - < 10
GERANYL ACETONE	5,9-Undecadien-2-one, 6,10-dimethyl-6,10-Dimethylundeca-5,9-dien-2-one	689-67-8	1 - < 10
HEXYL CINNAMIC ALDEHYDE	2-( phenylmethylidene)octanal 2- benzylidene octanal alpha- hexyl cinnamaldehyde hexyl cinnamal	101-86-0	1 - < 10
HEXYL SALICYLATE	hexyl o-hydroxybenzoate hexyl 2-hydroxy-1-benzene carboxylate hexyl 2-hydroxybenzoate	6259-76-3	1 - < 10
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 LINALYL ALCOHOL	78-70-6	1 - < 10
LINALYL ACETATE	3,7- dimethylocta-1,6-dien-3-yl acetate (1)-1,5-dimethyl-1-vinyl hex-4-enyl acetate LINALOOL ACETATE	115-95-7	1 - < 10



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Chemical name	Common name and synonyms	CAS number	%
NEROLIDOL	3-Hydroxy-3,7,11-trimethyl-1,6, 10-dodecatriene 3,7,11-TRIMETHYLDODECA-1,6,10-TRIEN- 3-OL dodecatriene methyl vinyl homogeranyl carbinol	7212-44-4	1 - < 10
METHYL CINNAMATE	, , , , ,		0.1< 1
Other components below reportable levels			10 - < 20

### 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

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.

Eve 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.

Most important

General information

symptoms/effects, acute and

delayed

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

Indication of immediate medical attention and special treatment

needed

and pain. May cause an allergic skin reaction. Dermatitis. Rash. Not available.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray, fog, CO2, 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 Fire may produce irritating, corrosive and/or toxic gases.

the chemical

Special protective equipment Firefighters must use standard protective equipment including flame retardant coat, helmet with and precautions for firefighters 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.

protect themselves. Show this safety data sheet to the doctor in attendance.



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Use water spray to cool unopened containers.

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

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

Methods and materials for containment and cleaning up

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.

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. Do not allow material to contaminate ground water system. 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.

#### **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. All equipment used when handling the product must be grounded. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling. Take precautionary measures against static discharges. Avoid breathing vapor.

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

**US. ACGIH Threshold Limit Values** 

 Components
 Type
 Value

 BENZYL ACETATE (CAS
 TWA
 10 ppm

140-11-4)

US. Workplace Environmental Exposure Level (WEEL) Guides

 Components
 Type
 Value

 CARVENE (CAS
 TWA
 165.5 mg/m3

5989-27-5)

30 ppm

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

(typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have

not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

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

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.

### 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



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Flash point 127.0 °F (52.8 °C) Closed Cup

Evaporation rate Not available.
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 0.82 hPa at 20 °C Calculated (94.9 %)

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** 948.97 kg/m3

Flammability class Combustible II estimated

Molecular formulaNot applicableSpecific gravity0.95 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.

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

No hazardous decomposition products if stored and handled as indicated.

products

### 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

**Inhalation** Prolonged inhalation may be harmful.

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



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**Eye contact** Causes serious 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. May cause an allergic skin reaction.

 Product
 Species
 Test Results

 TROPIFRUIT GIVCO 205
 Acute

 Dermal
 LD50
 Rabbit
 > 5000 mg/kg

 Inhalation
 Inhalation

LC50 Rat > 40 mg/l

Oral

LD50 Rat > 5000 mg/kg

Components Species Test Results

2,6-DIMETHYLHEPTAN-2-OL (CAS 13254-34-7)

Acute

Dermal

LD50 Rabbit > 5000 mg/day

Oral

LD50 Rat > 5000 mg/kg

BENZYL ACETATE (CAS 140-11-4)

Acute

Dermal

LD50 Rabbit > 5000 mg/kg

Oral

LD50 Rat 2490 mg/kg

CARVENE (CAS 5989-27-5)

Acute

Dermal

LD50 Rabbit 5 g/kg

Oral

LD50 Rat 4400 mg/kg



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Oral

Rat

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Components **Species Test Results** DIMETHYL OCTENONE (CAS 2550-11-0) Acute Oral > 4250 mg/kg LD50 Rat ETHYL 2-METHYL BUTYRATE (CAS 7452-79-1) Acute Dermal LD50 Rabbit > 2000 mg/kg Method: OECD Test Guideline 402 Oral LD50 Rat > 2000 mg/kg Method: OECD Test Guideline 401 ETHYL BUTYRATE (CAS 105-54-4) Acute Oral LD50 5.2 g/kg Remarks: Behavioral:Somnolence Rabbit (general depressed activity). Behavioral:Coma. 13050 mg/kg Rat **GERANYL ACETONE (CAS 689-67-8)** Acute Dermal LD50 Rabbit > 5000 mg/kg Oral LD50 Rat > 5000 mg/kg HEXYL CINNAMIC ALDEHYDE (CAS 101-86-0) Acute Dermal LD50 Rabbit > 3000 mg/kg Oral LD50 Rat > 5000 mg/kg HEXYL SALICYLATE (CAS 6259-76-3) Acute Dermal Rabbit > 5000 mg/kg

> 5000 mg/kg



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Components	Species	Test Results			
LINALOOL (CAS 78-70-6)					
Acute					
Dermal					
LD50	Rabbit	2000 mg/kg			
Oral					
LD50	Rat	2790 mg/kg			
LINALYL ACETATE (CAS	LINALYL ACETATE (CAS 115-95-7)				
Acute					
Dermal					
LD50	Rabbit	> 5000 mg/kg			
Oral					
LD50	Rat	14.55 g/kg Remarks: Behavioral:General anesthetic. Behavioral:Somnolence (general depressed activity). Behavioral:Ataxia.			
NEROLIDOL (CAS 7212-4	14-4)				
Acute					
Dermal					
LD50	Rabbit	> 5000 mg/kg			
Oral					
LD50	Rat	> 2610 mg/kg			

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

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

May cause skin irritation and/or dermatitis.

May cause skin irritation in susceptible persons.

Serious eye damage/eye Causes serious eye irritation.

irritation Vapours may cause irritation to the eyes, respiratory system and the skin.

Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** May cause an allergic skin reaction.

Causes sensitization.

**Germ cell mutagenicity**No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity

**ACGIH Carcinogens** 

BENZYL ACETATE (CAS 140-11-4)

A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

BENZYL ACETATE (CAS 140-11-4) CARVENE (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

3 Not classifiable as to carcinogenicity to humans.



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### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

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

Other

Not classified.

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

**Chronic effects** Prolonged inhalation may be harmful.

EC10

### 12. ECOLOGICAL INFORMATION

cotoxicity		Very toxic to aquatic life with long lasting effects.			
	Components		Species	Test Results	
2,6-DIMETHYLHEPTAN-2-OL (CAS 13254-34			1-7)		
	Aquatic				
	Fish	LC50	Zebra danio (Danio rerio)	22 - 46 mg/l, 96 hours	
	BENZYL ACETATE (CAS 1	40-11-4)			
	Aquatic				
	Fish	LC50	Medaka, high-eyes (Oryzias latipes)	3.48 - 4.6 mg/l, 96 hours	
	CARVENE (CAS 5989-27-5	)			
	Aquatic				
	Crustacea	EC50	Water flea (Daphnia pulex)	69.6 mg/l, 48 hours	
	Fish	LC50	Fathead minnow (Pimephales promelas)	0.619 - 0.796 mg/l, 96 hours	
			Rainbow trout,donaldson trout (Oncorhynchus mykiss)	35 mg/l, 4 days	
	Other	EC50	Activated Sludge	3.94 mg/l	
ETHYL BUTYRATE (CAS 105-54-4)					
	Aquatic				
	Crustacea	LC50	Water flea (Daphnia magna)	755 mg/l, 24 hours	
	Fish	LC50	Carp (Leuciscus idus melanotus)	53 mg/l, 48 hours	
HEXYL SALICYLATE (CAS 6259-76-3)					
	Aquatic				
	Acute				
	Algae	EC50	Green algae (Desmodesmus subspicatus)	0.61 mg/l, 72 hours	
	Crustacea	EC50	Daphnia magna	1.5 mg/l, 24 hours	
	LINALOOL (CAS 78-70-6)				

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 mg/l, 96 hours DIN 38412 Part 9 static. The details of the toxic effect related to the nominal concentration.
Crustacea	EC50	Daphnia magna	20 mg/l, 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 mg/l, 96 hours
NEROLIDOL (CAS 7212-44-	4)		
Other	EC20	Activated sludge, industrial	180 mg/l, 0.5 hours OECD Guideline 209 aerobic
Aquatic			
Algae	EC50	Green algae (Desmodesmus subspicatus)	2 mg/l, 72 hours
	NOEC	Green algae (Desmodesmus subspicatus)	0.44 mg/l, 72 hours
Crustacea	EC50	Daphnia magna	0.51 mg/l, 48 hours Directive 79/831/EEC. The details of the toxic effect relate to the nominal concentration
Fish	LC50	Fathead minnow (Pimephales promelas)	1.3 - 1.58 mg/l, 96 hours The details of the toxic effect relate to the nominal concentration
	NOEC	Fathead minnow (Pimephales promelas)	0.64 mg/l, 96 hours

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

BENZYL ACETATE 1.96
CARVENE 4.232
ETHYL BUTYRATE 1.73

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.



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#### 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** Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

### 14. TRANSPORT INFORMATION

ADN

UN number 1169

UN proper shipping name EXTRACTS, AROMATIC, LIQUID (CARVENE, GERANYL ACETONE)

Transport hazard class(es) 3
Subsidiary class(es) Packing group III
Environmental hazards Yes
Labels required 3

**ADR** 

UN number 1169

UN proper shipping name EXTRACTS, AROMATIC, LIQUID (CARVENE, GERANYL ACETONE)

Transport hazard class(es) 3
Subsidiary class(es) Packing group III
Environmental hazards Yes
Labels required 3

RID

UN number 1169

UN proper shipping name EXTRACTS, AROMATIC, LIQUID (CARVENE, GERANYL ACETONE)

Transport hazard class(es) 3
Subsidiary class(es) Packing group III
Environmental hazards Yes
Labels required 3

DOT

**BULK** 

UN number 1169

Proper shipping name EXTRACTS, AROMATIC, LIQUID (CARVENE, GERANYL ACETONE)

Hazard class 3
Packing group III



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**Environmental hazards** 

Marine pollutantYesPackaging exceptions150Packaging bulk242

DOT

**NON-BULK** 

Not regulated as dangerous goods.

**IATA** 

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

**IMDG** 

UN number 1169

UN proper shipping name EXTRACTS, AROMATIC, LIQUID (CARVENE, GERANYL ACETONE)

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

**Environmental hazards** 

Marine pollutant Yes
Labels required 3

Transport in bulk according

Not applicable.

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

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





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### 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.

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

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

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

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes

Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

No

chemical

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

Not regulated.

(SDWA)



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#### US state regulations

US - Minnesota Haz Subs: Hazardous substance

BENZYL ACETATE (CAS 140-11-4) Hazardous substance.

US. Massachusetts RTK - Substance List

ETHYL BUTYRATE (CAS 105-54-4)

US. New Jersey Worker and Community Right-to-Know Act

BENZYL ACETATE (CAS 140-11-4)

CARVENE (CAS 5989-27-5)

ETHYL BUTYRATE (CAS 105-54-4)

US. Pennsylvania Worker and Community Right-to-Know Law

ETHYL BUTYRATE (CAS 105-54-4)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

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

Not listed.

### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*		
Australia	Australian Inventory of Chemical Substances (AICS)	No		
Canada	Domestic Substances List (DSL)	No		
Canada	Non-Domestic Substances List (NDSL)	No		
China	Inventory of Existing Chemical Substances in China (IECSC)	No		
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No		
Europe	European List of Notified Chemical Substances (ELINCS)	No		
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No		
Korea	Existing Chemicals List (ECL)	No		
New Zealand	New Zealand Inventory	No		
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No		
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No		
*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).				

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

07-20-2015 Issue date Revision date 07-20-2015

Version# 01

**HMIS®** ratings Health: 2\*

> Flammability: 2 Physical hazard: 0



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#### Disclaimer

Vigon cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is considered to be accurate to the best of Vigon's knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.