

# Product Specification

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**Product Name:** AGRUMEN ALDEHYDE LIGHT

**Vigon Code:** 502451

**CAS Number:** MIXTURE

**FEMA Number:** N/A

**Characteristic:**

Odor

Refractive Index (@20c)

Relative Density (d20/4)

Color/appearance

**Specification:**

CHARACTERISTIC ODOR.

1.4730            1.4830

0.9210            0.9310

CLEAR, YELLOW TO ORANGE-BROWN LIQUID.

**Additional Product Information:**

**Flash Point:** 147 °F

**Shelf Life:** 12 Months

**Storage Conditions:** Stable when stored in its original package, tightly sealed in a cool (46-90°F) and dry location out of direct heat and light.

**Effective Date:** December 13, 2016

**SAFETY DATA SHEET****502451 AGRUMEN ALDEHYDE LIGHT**

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**1. IDENTIFICATION**

<b>Product Description:</b>	<b>AGRUMEN ALDEHYDE LIGHT</b>
<b>CAS #</b>	MIXTURE
<b>Other means of identification</b>	
<b>Vigon Item #</b>	502451
<b>Recommended use</b>	Concentrated aromatic ingredient which may be used fragrance compounds according to legal and IFRA guidelines.
<b>Recommended restrictions</b>	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.
E. Stroudsburg, PA 18301	1-352-323-3500 OUTSIDE THE U.S.A.
For information call: 570-476-6300	
Web Site: www.vigon.com	

**2. HAZARD(S) IDENTIFICATION**

<b>Physical hazards</b>	Flammable liquids	Category 4
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
	Aspiration hazard	Category 1
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2

**Label elements****Signal word** Danger**Hazard statement**

H227	Combustible liquid.
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.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

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#### Precautionary statement

##### Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 P261 Avoid breathing mist or vapor.  
 P264 Wash thoroughly after handling.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/eye protection/face protection.

##### Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P302 + P352 IF ON SKIN: Wash with plenty of water.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P331 Do NOT induce vomiting.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P337 + P313 If eye irritation persists: Get medical advice/attention.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P370 + P378 In case of fire: Use appropriate media to extinguish.  
 P391 Collect spillage.

##### Storage

P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

##### Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Hazard(s) not otherwise classified (HNOC)

None known.

#### Supplemental information

43.55% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 46% 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	%
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	20 - < 30
CITRAL	2,6- OCTADIENAL, 3,7-DIMETHYL- 2,6- dimethyl octadien-2,6-al-8 3,7-DIMETHYL-2,6-OCTADIENAL 3,7- dimethylocta-2,6-dienal	5392-40-5	10 - < 20

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Chemical name	Common name and synonyms	CAS number	%
HYDROXYCITRONELLAL	7-HYDROXY-3,7-DIMETHYL-OCTANAL HYDROXYCITRONELLAL Octanal, 7-hydroxy-3,7-dimethyl- HYDROXY-CITRONELLAL	107-75-5	10 - < 20
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	5 - < 10
METHYL NAPHTHYL KETONE	2-ACETYLNAPHTHALENE acetoneaphthone 1- naphthalen-2-ylethanone methyl 2-naphthyl ketone	93-08-3	5 - < 10
PINENE BETA	laevo-6,6-dimethyl-2-methylene bicyclo(3.1.1)heptane (-)-pin-2(10)-ene L-BETA-PINENE (1S,5S)-7,7- dimethyl-4-methylidenebicyclo[3.1.1]heptane Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-, (1S)- (-)-nopinene	18172-67-3	5 - < 10
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 - < 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 LINALYL ALCOHOL	78-70-6	1 - < 5
PHENYL ETHYL ALCOHOL	BENZYL CARBINOL 2-Phenylethanol	60-12-8	1 - < 5
PINENE ALPHA	dextro,laevo-pin-2(3)-ene 2,6,6 - trimethyl bicyclo-3,1,1-2-heptene 4,7,7- trimethylbicyclo[3.1.1]hept-3-ene	80-56-8	1 - < 5
PINENE BETA	7,7-dimethyl-4-methylidenebicyclo[3.1.1]heptane (1)-6,6- dimethyl-2-methylene bicyclo(3.1.1)heptane	127-91-3	1 - < 5
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	0.1 < 1

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Chemical name	Common name and synonyms	CAS number	%
DELTA-3-CARENE	3,7,7-TRIMETHYLBICYCLO(4.1.0)HEPT-3-ENE (±)-3- carene	13466-78-9	0.1 < 1
GERANIOL	3,7-DIMETHYL-2,6-OCTADIEN-1-OL (2E)-3,7- dimethylocta-2,6-dien-1-ol LEMONOL GERANYL ALCOHOL	106-24-1	0.1 < 1
Other components below reportable levels			5 - < 10

#### 4. FIRST-AID MEASURES

<b>Inhalation</b>	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.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.
<b>Eye contact</b>	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.
<b>Ingestion</b>	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.
<b>Most important symptoms/effects, acute and delayed</b>	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.
<b>Indication of immediate medical attention and special treatment needed</b>	Not available.
<b>General information</b>	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

<b>Suitable extinguishing media</b>	Water spray, fog, CO <sub>2</sub> , dry chemical, or alcohol resistant foam.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific hazards arising from the chemical</b>	Fire may produce irritating, corrosive and/or toxic gases.
<b>Special protective equipment and precautions for firefighters</b>	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.
<b>Fire fighting equipment/instructions</b>	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.
<b>Specific methods</b>	Use water spray to cool unopened containers.
<b>General fire hazards</b>	Static charges generated by emptying package in or near flammable vapor may cause flash fire.



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#### 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. 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.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
CITRAL (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapor.
DELTA-3-CARENE (CAS 13466-78-9)	TWA	20 ppm	
PINENE ALPHA (CAS 80-56-8)	TWA	20 ppm	
PINENE BETA (CAS 127-91-3)	TWA	20 ppm	



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#### US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
CARVENE (CAS 5989-27-5)	TWA	165.5 mg/m <sup>3</sup>
		30 ppm

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

#### Exposure guidelines

##### US ACGIH Threshold Limit Values: Skin designation

CITRAL (CAS 5392-40-5) Can be absorbed through the skin.

**Appropriate engineering controls** Use explosion-proof ventilation equipment to stay below exposure limits. Good general ventilation (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

<b>Appearance</b>	Refer to Spec Sheet
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Refer to Spec Sheet
<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	147.0 °F (63.9 °C) Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.

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#### 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 0.93 at 20 °C (relation to density of water at 4 °C)

#### Solubility(ies)

Solubility (water) Insoluble

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

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

## 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 products** No hazardous decomposition products if stored and handled as indicated.

## 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.

**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.



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Product	Species	Test Results
AGRUMEN ALDEHYDE LIGHT		
<b>Acute</b>		
<i>Dermal</i>		
		> 5000 mg/kg Calculation method
<i>Oral</i>		
		> 5000 mg/kg Calculation method
Components	Species	Test Results
2,4-DIMETHYLCYCLOHEX-3-ENE-1-CARBALDEHYDE (CAS 68039-49-6)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2500 mg/kg
<i>Oral</i>		
LD50	Rat	2500 mg/kg
CARVENE (CAS 5989-27-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	5 g/kg
<i>Oral</i>		
LD50	Rat	4400 mg/kg
CITRAL (CAS 5392-40-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2250 mg/kg
<i>Oral</i>		
LD50	Rat	4950 mg/kg
CITRONELLOL (CAS 106-22-9)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2650 mg/kg
<i>Oral</i>		
LD50	Rat	3450 mg/kg
DELTA-3-CARENE (CAS 13466-78-9)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	4800 mg/kg

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Components	Species	Test Results
GERANIOL (CAS 106-24-1)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg
<i>Oral</i>		
LD50	Rat	3600 mg/kg
HYDROXYCITRONELLAL (CAS 107-75-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg OECD 402: limit
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg OECD 401: limit
LINALOOL (CAS 78-70-6)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2000 mg/kg
<i>Oral</i>		
LD50	Rat	2790 mg/kg
LINALYL ACETATE (CAS 115-95-7)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg
<i>Oral</i>		
LD50	Rat	14.55 g/kg Remarks: Behavioral:General anesthetic. Behavioral:Somnolence (general depressed activity). Behavioral:Ataxia.
METHYL NAPHTHYL KETONE (CAS 93-08-3)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	> 1985 mg/kg
PHENYL ETHYL ALCOHOL (CAS 60-12-8)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2500 mg/kg
<i>Oral</i>		
LD50	Rat	1610 mg/kg

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Components	Species	Test Results
PINENE ALPHA (CAS 80-56-8)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg
<i>Oral</i>		
LD50	Rat	3700 mg/kg Remarks: Brain and Coverings:Recordings from specific areas of CNS. Behavioral:Somnolence (general depressed activity). Lungs, Thorax, or Respiration:Other changes.
PINENE BETA (CAS 127-91-3)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	4700 mg/kg
PINENE BETA (CAS 18172-67-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg
<i>Oral</i>		
LD50	Rat	4700 mg/kg

\* Estimates for product may be based on additional component data not shown.

<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

#### Carcinogenicity

##### ACGIH Carcinogens

CITRAL (CAS 5392-40-5)	A4 Not classifiable as a human carcinogen.
DELTA-3-CARENE (CAS 13466-78-9)	A4 Not classifiable as a human carcinogen.
PINENE ALPHA (CAS 80-56-8)	A4 Not classifiable as a human carcinogen.
PINENE BETA (CAS 127-91-3)	A4 Not classifiable as a human carcinogen.

##### IARC Monographs. Overall Evaluation of Carcinogenicity

CARVENE (CAS 5989-27-5)	3 Not classifiable as to carcinogenicity to humans.
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##### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

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<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.
<b>Further information</b>	This product is a mixture, which has not been tested as a whole. Please refer to derived hazard classification of the mixture.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Toxic to aquatic life with long lasting effects. This product is a mixture, which has not been tested as a whole. Please refer to derived hazard classification of the mixture.
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Components		Species	Test Results
2,4-DIMETHYLCYCLOHEX-3-ENE-1-CARBALDEHYDE (CAS 68039-49-6)			
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC50	Green algae (Desmodesmus subspicatus)	31 mg/l, 72 hours (based on growth rate - nominal concentration - OECD 201)
Crustacea	EC50	Daphnia magna	22.4 mg/l, 48 hours (measured concentration - similar to OECD 202)
Fish	LC50	Oncorhynchus mykiss (reported as Salmo gairdneri)	7.5 mg/l, 96 hours (measured concentration - OECD 203)
CARVENE (CAS 5989-27-5)			
<b>Aquatic</b>			
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
CITRAL (CAS 5392-40-5)			
<i>Acute</i>			
Other	EC20	Activated sludge of a predominantly domestic sewage	68 mg/l, 0.5 hours OECD Guideline 209 aquatic

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Components			Species	Test Results
<b>Aquatic</b>				
Other	EC50		Bacterium	2100 mg/l, 0.5 hours DIN 38412 Part 27 (draft) aquatic - The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. The details of the toxic effect relate to the nominal concentration.
<i>Acute</i>				
Algae	EC50		Green algae ( <i>Chlamydomonas variabilis</i> )	103.8 mg/l, 72 hours DIN 38412 Part 9 static - The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. The details of the toxic effect relate to the nominal concentration.
Crustacea	EC50		<i>Daphnia magna</i>	7 mg/l, 48 hours Directive 79/831/EEC static - The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. The details of the toxic effect relate to the nominal concentration.
Fish	LC50		Ide, silver or golden orfe ( <i>Leuciscus idus</i> )	4.6 - 10 mg/l, 96 hours DIN 38415 Part 15 static - The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. The details of the toxic effect relate to the nominal concentration.

#### CITRONELLOL (CAS 106-22-9)

##### **Aquatic**

##### *Acute*

Algae	EC50		Algae	2.4 mg/l, 72 hours
Crustacea	EC50		<i>Daphnia</i>	17 mg/l, 48 hours
Fish	LC50		<i>Leuciscus idus</i> (Golden orfe)	10 - 22 mg/l, 96 hours

#### GERANIOL (CAS 106-24-1)

Other	EC50		Activated sludge of a predominantly domestic sewage	70 mg/l, 0.5 hours
<b>Aquatic</b>				
Algae	EC50		Green algae ( <i>Desmodesmus subspicatus</i> )	13.1 mg/l, 72 hours
Crustacea	EC50		<i>Daphnia magna</i>	10.8 mg/l, 48 hours
Fish	LC50		<i>Danio rerio</i>	22 mg/l, 96 hours
			Fathead minnow ( <i>Pimephales promelas</i> )	2.7 - 3.8 mg/l, 96 hours

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Components	Species	Test Results
<b>LINALOOL (CAS 78-70-6)</b>		
Other	EC10	Activated sludge of a predominantly domestic sewage
		> 100 mg/l, 3 hours
<b>Aquatic</b>		
Algae	EC50	Green algae ( <i>Chlamydomonas variabilis</i> )
		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 ( <i>Leuciscus idus</i> )
		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
<b>METHYL NAPHTHYL KETONE (CAS 93-08-3)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Danio rerio
		9.8 mg/l, 96 hours
<b>PINENE ALPHA (CAS 80-56-8)</b>		
<b>Aquatic</b>		
Crustacea	LC50	Daphnia magna
		41 mg/l, 48 hours
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )
		0.28 mg/l, 96 hours

\* 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.

**Biodegradability**

**Percent degradation (Aerobic biodegradation)**

GERANIOL > 90 % OECD 301A (new version)(aerobic), activated sludge, domestic DOC reduction, Readily biodegradable (according to OECD criteria)

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

CARVENE	4.232
LINALOOL	2.97, (OECD Guideline 107)
PHENYL ETHYL ALCOHOL	1.36
PINENE ALPHA	4.83

**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

<b>Disposal instructions</b>	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.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	Not established.
<b>Waste from residues / unused products</b>	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).
<b>Contaminated packaging</b>	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

<b>ADN</b>	
UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CITRAL,PINENE BETA)
Transport hazard class(es)	9
Subsidiary class(es)	-
Packing group	III
Environmental hazards	Yes
Labels required	9
<b>ADR</b>	
UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CITRAL,PINENE BETA)
Transport hazard class(es)	9
Subsidiary class(es)	-
Packing group	III
Environmental hazards	Yes
Labels required	9
<b>RID</b>	
UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CITRAL,PINENE BETA)
Transport hazard class(es)	9
Subsidiary class(es)	-
Packing group	III
Environmental hazards	Yes
Labels required	9
<b>DOT</b>	
<b>BULK</b>	
UN number	NA1993
Proper shipping name	COMBUSTIBLE LIQUID, N.O.S. (PINENE BETA, CARVENE,CITRAL)
Hazard class	Combustible liq
Packing group	III

## SAFETY DATA SHEET

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**Environmental hazards**

Marine pollutant	Yes
Packaging exceptions	150
Packaging bulk	241
Labels required	None

**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. (CITRAL,PINENE BETA)
Transport hazard class(es)	9
Subsidiary class(es)	-
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; IMDG; RID



DOT BULK





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### 502451 AGRUMEN ALDEHYDE LIGHT

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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 chemical** No

**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.



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#### US state regulations

##### US. Massachusetts RTK - Substance List

PINENE ALPHA (CAS 80-56-8)

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

CARVENE (CAS 5989-27-5)

PINENE ALPHA (CAS 80-56-8)

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

PINENE ALPHA (CAS 80-56-8)

##### 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)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
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	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*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

Issue date	11-24-2015
Revision date	07-28-2015
Version #	01
HMIS® ratings	Health: 2* Flammability: 2 Physical hazard: 0



## SAFETY DATA SHEET

### 502451 AGRUMEN ALDEHYDE LIGHT

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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.

## Food Grade Certification

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**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

**FEMA #: N/A**

Vigon International, LLC. certifies that the above ingredient is **not** food grade.

Vigon International, LCC. may terminate this certification at any time upon written notice in which this certification shall be null and void as to any material supplied after termination of the certification.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com

Date of Issue: February 25, 2022

# Allergen/Sensitive Agents Identification Sheet



**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

\* A check mark (☑) indicates the Allergen/Sensitive Agent is present. If blank it means that there is no Allergen/Sensitive present.

<b>ALLERGEN/SENSITIVE AGENTS</b>	*
<b>CORN &amp; CORN PRODUCTS</b> Includes modified starch, hydrolyzed protein, sweeteners, sugars, spice carriers	
<b>EGG &amp; EGG PRODUCTS</b> liquid and powders	
<b>FISH</b> Includes any and all species of fresh and salt water fish	
<b>GARLIC</b> Dehydrated, powdered, granules, and flakes	
<b>GLUTEN</b> Wheat, rye, barley, oats, flour, etc.	
<b>MILK &amp; DAIRY PRODUCTS</b> Includes whey, lactose, cheese, casein, spice carriers, milk, cream, etc.	
<b>MONOSODIUM GLUTAMATE</b>	
<b>PEANUTS, PEANUT OIL &amp; PEANUT DERIVED ITEMS</b> Peanut meal, flour & ground nuts, szechwan sauce, mandelona nuts, etc.	
<b>SESAME SEEDS &amp; SESAME OIL</b>	
<b>CRUSTACEANS</b> Shrimp, lobster, rock lobster, crab, crayfish, and products made from them	
<b>MOLLUSKS</b> Clams, mussels, oysters, scallops, and products made from them	
<b>SOY</b> Includes soya powder, protein, oil, lecithin, tofu	
<b>SULFITES</b> Includes sulfur dioxide, sodium dithionite, chemicals that lists sulfite, etc.	
<b>TREE NUTS</b> Includes almonds, beechnuts, basil nuts, nutmeg, cashews, chestnuts, etc.	
<b>WHEAT</b> Includes hydrolyzed wheat protein, flour, gluten flour, starches	
<b>MUSTARD &amp; MUSTARD OIL</b>	
<b>LUPIN</b>	
<b>CELERY</b>	

Vigon International, LLC. follows Good Manufacturing Practices and has implemented HACCP systems. Our personnel are trained on the proper handling of allergenic materials.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com

Date of Issue: February 25, 2022

# GMO Status Statement

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**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

Vigon International, LLC. declares that the product listed above is not derived from or produced using genetically modified organisms or their derivatives.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com

Date of Issue: February 25, 2022

# Irradiation and Sewage Sludge Statement

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**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

Vigon International, LLC. declares that the product listed above has **not** been:

- a) Exposed to Ionizing Radiation
- b) Derived from Sewage Sludge
- c) Treated with Ethyl Oxide

Vigon International, LLC. may terminate this statement at any time upon written notice in which this statement shall be null and void as to any material supplied after termination of the statement.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: February 25, 2022

# Heavy Metals and Pesticide Statement

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**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

Vigon International, LLC. declares that, to the best of our knowledge and belief, all ingredients in the product listed above are listed as being generally recognized as safe (GRAS) by the Food and Drug administration (FDA) when used in accordance with the FDA's good manufacturing practices (GMP) and contain no residues of heavy metals and pesticides in excess of tolerances set by the FDA and the Environmental Protection Agency (EPA).

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: February 25, 2022



# Stabilizer Statement

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**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

Vigon International, LLC. declares that, to the best of our knowledge that the product listed above has been treated with:

<b><u>Stabilizer(s)</u></b>	<b><u>Percentage</u></b>
<b>TOCOPHEROLS</b>	<b>0.0060</b>

Vigon International, LLC. may terminate this statement at any time upon written notice in which this statement shall be null and void as to any material supplied after termination of the statement.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: February 25, 2022

## Continuing Product Guarantee

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**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

In accordance with the regulations promulgated under the Federal Food, Drug, and Cosmetic Act, Vigon International, LLC. hereby provides continuing guarantee for the item listed above.

The article(s) comprising each shipment or other delivery hereafter made by Vigon International, LLC. is hereby guaranteed, as of the date of shipment or delivery, to be, on such date, not adulterated or misbranded within the meaning of the Federal Food, Drug, and Cosmetic Act, and not an article which may not, under the provisions of section 404, 505, or 512 of the act, be introduced into interstate commerce.

The guarantee herein given shall be a continuing guarantee and shall remain in full force and effect until revoked in writing by the undersigned. This guarantee shall not limit or preclude the operation and effect of any and all provisions of any agreement(s) under which the articles covered by this guarantee are sold, and the provisions of such agreement(s) shall govern in the event of any conflict or inconsistency herewith. Supplier's liability for breach of this guarantee shall in no event exceed the value of such of the articles of the supplier shipped to or on the order of Purchaser hereunder as may fail to comply with this guarantee.

This guarantee shall be void and of no effect in any instance where the particular use by Purchaser of any article to which this guarantee would otherwise apply is a use which is not in accordance with the requirements of the Federal Food, Drug and Cosmetic Act. Any and all prior guarantees and/or indemnity agreements heretofore given by supplier, are hereby revoked.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: February 25, 2022

# Dietary Preferences & Restrictions



**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

Vigon International, LLC. certifies that the product listed above is suitable for consumption by:

<b>Vegans</b> Do not eat meat, poultry, fish/seafood, eggs, dairy products, honey	
<b>Lacto-Vegetarians</b> Do not eat meat, poultry, fish/seafood, eggs, but do eat dairy products	
<b>Ovo-Vegetarians</b> Do not eat meat, poultry, fish/seafood, dairy products, but do eat eggs	
<b>Vegetarians</b> Do not eat meat, poultry, fish/seafood, but do eat dairy products and eggs	

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: February 25, 2022

# Animal Testing Statement

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**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

Vigon International, LLC. is not in the practice of performing or commissioning animal testing on its finished products and actively evaluates the ingredients of its products through non-animal testing methods and through computational (predictive) toxicology programs. However, some ingredients used in our products have been subjected to animal testing by the academic community, government agencies, or within the chemical industry.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: February 25, 2022

# Nanomaterials

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**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

We hereby confirm, to the best of our knowledge, that the above referenced product has not been formulated with engineered nanomaterials.

"Engineered nanomaterial" means any intentionally produced material that has one or more dimensions of the order of 100 nm or less or that is composed of discrete functional parts, either internally or at the surface, many of which have one or more dimensions of the order of 100 nm or less, including structures, agglomerates or aggregates, which may have a size above the order of 100nm but retain properties that are characteristic of the nanoscale.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: February 25, 2022

# Transmissible Spongiform Encephalopathy (TSE) and Bovine



## Spongiform Encephalopathy (BSE) Statement

**Product Name:** AGRUMEN ALDEHYDE LIGHT

**Vigon Code:** 502451

Vigon International, LLC. products are manufactured wholly from synthetic, natural or manufactured materials and do not contain any raw materials produced from or substances derived of animal origin. Moreover, these products do not contain, and are not derived from, specified risk material as defined in Commission Decision 97/534/EC or mechanically recovered meat obtained from the vertebral column of bovine, ovine or caprine animals.

The manufacturing process does not use any ingredient of animal origin nor do our products come in contact with animal products during storage and transportation.

We further declare that our products are Dioxin Free.

Therefore, to the best of our knowledge the product listed above are free from Transmissible Spongiform Encephalopathy (TSE) and Bovine Spongiform Encephalopathy (BSE).

Vigon International, LLC. may terminate this statement at any time upon written notice, in which this statement shall be null and void as to any material supplied after termination of the statement.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com

Date of Issue: February 25, 2022

**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

We certify that the above material contains the following restricted substance restricted by IFRA Standards:

Methoxy-alpha-methylbenzenepropanal (Canthoxal) (CAS 5462-06-6 ) 0.001%  
Methyl beta-naphthylketone (CAS 93-08-3) 5.205%  
Anisyl alcohol (CAS 105-13-5) 0.026%  
Benzyl benzoate (CAS 120-51-4) 0.015%  
Citral (CAS 5392-40-5) 10.990%  
Eugenol (CAS 97-53-0) 0.038%  
Methyl eugenol(CAS 93-15-2) 0.007%  
Geraniol (CAS 106-24-1) 0.912%  
Hydroxycitronellal (CAS 107-75-5) 15.550%  
Isoeugenol (CAS 97-54-1) 0.070%  
Bergaptene (5-MOP) (from Citrus oils and other furocoumarins containing essential oils) (CAS 424-20-8) 0.007%  
Citronellol (CAS 106-22-9) 0.107%  
Dimethylcyclohex-3-ene-1-carbaldehyde (mixed isomers) (CAS 27939-60-2, 35145-02-9, 36635-35-5, 67801-65-4, 68039-48-5, 68039-49-6, 68084-52-6, 68737-61-1) 3.900%

- is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA 50th amendment), depending on the application and the percentage of use in the final product.

The IFRA Standards regarding use restriction are based on safety assessments by the Panel of Experts of the Research Institute for Fragrance Materials (RIFM) and are enforced by the IFRA Scientific Committee.

It is the ultimate responsibility of our customer to ensure the safety of the final product by further testing if need be.

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: February 25, 2022

# International Inventories

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**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances and Control Act (TSCA) Inventory	Yes

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: February 25, 2022



## Residual Solvents

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**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

Based on our knowledge of our production process, raw materials and equipments used we do not expect residual solvents to be present.

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: February 25, 2022

# EU Fragrance Allergen Statement

---



**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

The product listed above contains the following substances listed in European Directive 76/768/EEC established by the SCCNFP declared allergens.

**Anisyl Alcohol (CAS 105-13-5) 0.026**  
**Citral (CAS 5392-40-5) 10.990**  
**Citronellol (CAS 106-22-9) 0.107**  
**Eugenol (CAS 97-53-0) 0.038**  
**Geraniol (CAS 106-24-1) 0.912**  
**Hydroxycitronellal (CAS 107-75-5) 15.550**  
**Isoeugenol (CAS 97-54-1) 0.071**  
**Limonene (d-and-l-Limonene) (CAS 138-86-3) 9.324**  
**Linalool (CAS 78-70-6) 4.715**

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: February 25, 2022

# Melamine Statement

---



**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**

**Based on our knowledge of our production process, raw materials and equipment used we do not expect melamine to be present.**

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com

Date of Issue: February 25, 2022

# Phthalate Statement

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**Product Name: AGRUMEN ALDEHYDE LIGHT**

**Vigon Code: 502451**




**We've performed a risk assessment on our product contact plastics which include tubes, joints, caps, pumps, as well as packaging (e.g. plastic wraps and bags) and can confirm that our plastic products do not contain certain phthalate esters (most notably bis-2-Ethylhexyl phthalate[DEHP] and dibutyl phthalate [DBP]).**

Sincerely,

Vigon Regulatory Department  
regulatory@vigon.com  
Date of Issue: February 25, 2022

# AGRUMEN ALDEHYDE LIGHT

**Code: 502451 ID #: EXAMPLE**

	KG	LB
Approx. Gross: 	0.000	0.000
Approx. Tare: 	0.000	0.000
<b>Net:</b> 	<b>0.000</b>	<b>0.000</b>

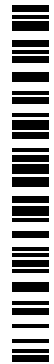
Country of Origin: GERMANY  
 Chemical Name: NONE  
 CAS#: MIXTURE  
 Flash Point: 147°F (64°C)  
 Allergens: NONE  
 Liters: 0.000

Produced on: N/A  
 Best used before: N/A  
 Lot #: **EXAMPLE**

**STORAGE CONDITIONS:** Stable when stored in its original package, tightly sealed in a cool (46-90°F) and dry location out of direct heat and light.

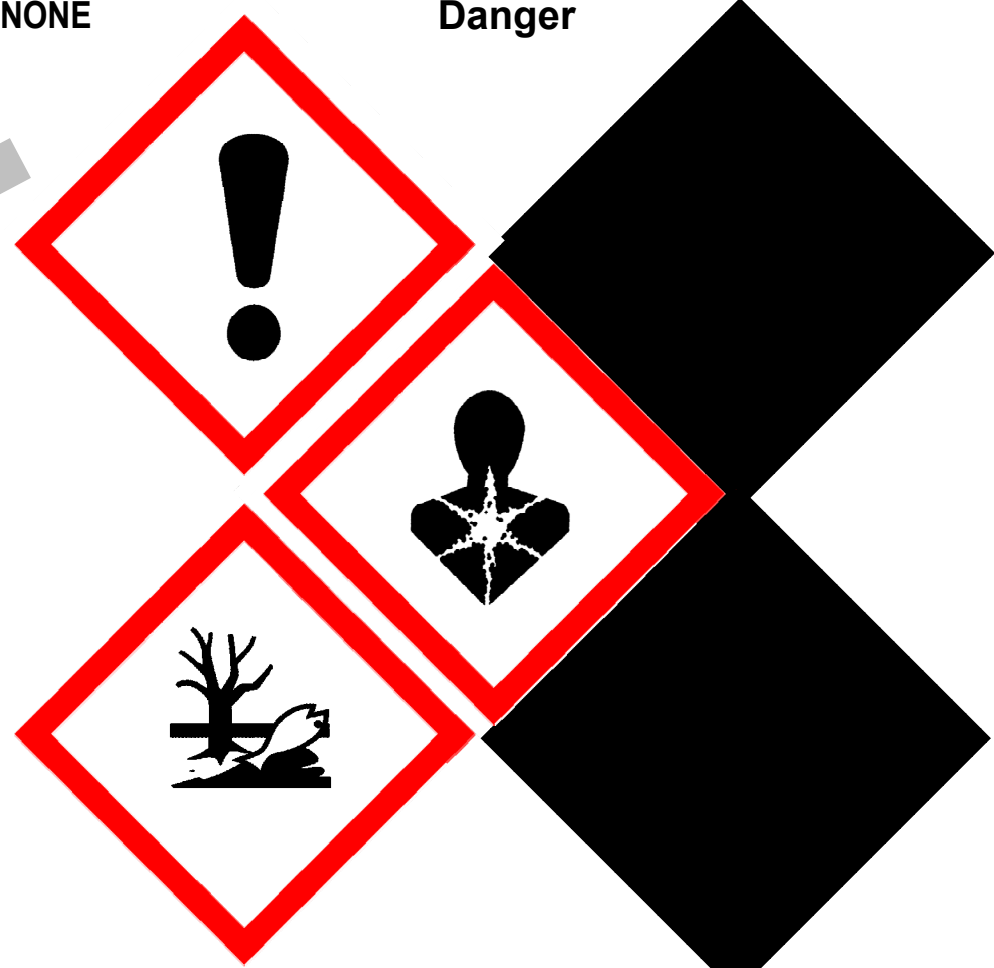
**INSTRUCTIONS FOR USE:** Ask your employer for guidance regarding the safe use and handling of this product in your specific workplace environment based on the information provided in Vigon's Safety Data Sheet (SDS).

**H A Z A R D S T A T E M E N T :** Combustible liquid. May be fatal if swallowed and enters airways. Causes skin irritation. Causes skin and eye irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.  
**P R E C A U T I O N A R Y S T A T E M E N T :** -PREVENTION- Keep away from heat/sparks/open flames/hot surfaces. No smoking. 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.-RESPONSE- IF SWALLOWED: Immediately call a POISON CENTER/doctor. 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. 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.-STORAGE- Store in a well-ventilated place. Keep cool. Store locked up.-DISPOSAL- Dispose of contents/container in accordance with local/regional/national/international regulations.



NONE

Danger



PPE: D