

**SAFETY DATA SHEET****511754 DAMASCENONE BETA NATURAL 5% IN TRIACETIN**

Revision Date: 08-20-2020

Page 1 of 9

Version # 01

Print Date: 08-20-2020

**1. IDENTIFICATION**

<b>Product Description:</b>	<b>DAMASCENONE BETA NATURAL 5% IN TRIACETIN</b>
<b>CAS #</b>	MIXTURE
<b>Other means of identification</b>	
<b>Vigon Item #</b>	511754
<b>Recommended use</b>	Concentrated flavor ingredient which may be used in flavor compounds according to legal and FEMA GRAS/FDA guidelines.
<b>Recommended restrictions</b>	For Manufacturing Use Only

Company

Vigon International, Inc.  
127 Airport Road  
E. Stroudsburg, PA 18301  
For information call: 570-476-6300  
Web Site: www.vigon.com

24 Hour Emergency Response Information

INFOTRAC (ACCT# 78928);  
1-800-535-5053 WITHIN THE U.S.A.  
1-352-323-3500 OUTSIDE THE U.S.A.

**Manufacturer/Importer/Supplier/Distributor information****Manufacturer**

<b>Company name</b>	Vigon International, Inc.	
<b>Address</b>	127 Airport Road E. Stroudsburg, PA 18301 United States	
<b>Telephone</b>	For information call:	570-476-6300
<b>Website</b>	www.vigon.com	
<b>E-mail</b>	regulatory@vigon.com	
<b>Emergency phone number</b>	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**

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Sensitization, skin	Category 1
<b>Environmental hazards</b>	Not classified.	

**Label elements**

<b>Signal word</b>	Warning
<b>Hazard statement</b>	
H317	May cause an allergic skin reaction.
<b>Precautionary statement</b>	
Prevention	

## SAFETY DATA SHEET

### 511754 DAMASCENONE BETA NATURAL 5% IN TRIACETIN

Revision Date: 08-20-2020

Page 2 of 9

Version # 01

Print Date: 08-20-2020

P272 Contaminated work clothing should not be allowed out of the workplace.  
 P280 Wear protective gloves.

**Response**

P302 + P352 IF ON SKIN: Wash with plenty of water.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.

**Storage**

Store away from incompatible materials.

**Disposal**

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

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

None known.

**Supplemental information**

5% of the mixture consists of component(s) of unknown acute dermal toxicity. 100% 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	%
TRIACETIN	1,3- diacetyloxypropan-2-yl acetate 2-acetyloxy-1-(acetyloxymethyl)ethyl acetate glyceryl triacetate 1,2,3- propanetriol triacetate	102-76-1	90 - 100
1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE	4-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL) BUT-2-EN-4-ONE (E)-1-(2,6,6- trimethyl-1-cyclohexa-1,3-dienyl)but-2-en-1-one 1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL) -2-BUTEN-1-ONE 2-Buten-1-one, 1-(2,6,6-trimethyl -1,3-cyclohexadien-1-yl)- ROSE KETONES	23696-85-7	5 - < 10

### 4. FIRST-AID MEASURES

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

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

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

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

## SAFETY DATA SHEET

### 511754 DAMASCENONE BETA NATURAL 5% IN TRIACETIN

Revision Date: 08-20-2020

Page 3 of 9

Version # 01

Print Date: 08-20-2020

<b>Most important symptoms/effects, acute and delayed</b>	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.

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#### 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

<b>Personal precautions, protective equipment and emergency procedures</b>	Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.
<b>Methods and materials for containment and cleaning up</b>	Collect and dispose of spillage as indicated in section 13 of the SDS.  Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.  Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent product from entering drains.  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. 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.



## SAFETY DATA SHEET

### 511754 DAMASCENONE BETA NATURAL 5% IN TRIACETIN

Revision Date: 08-20-2020

Page 4 of 9

Version # 01

Print Date: 08-20-2020

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

#### 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**

**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** 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 range** Not available.

**Flash point** 212.0 °F (100.0 °C) Closed Cup

**Evaporation rate** Not available.

## SAFETY DATA SHEET

### 511754 DAMASCENONE BETA NATURAL 5% IN TRIACETIN

Revision Date: 08-20-2020

Page 5 of 9

Version # 01

Print Date: 08-20-2020

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** Not available.

**Solubility(ies)**

**Solubility (water)** Soluble

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

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

**Other information**

**Explosive properties** Not explosive.

**Molecular formula** Not applicable

**Oxidizing properties** Not oxidizing.

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## 10. STABILITY AND REACTIVITY

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

**Chemical stability** Material is stable under normal conditions.

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

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

**Incompatible materials** Strong oxidizing agents.

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

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## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Inhalation** Knowledge about health hazard is incomplete.

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

**Eye contact** Knowledge about health hazard is incomplete.

**Ingestion** Knowledge about health hazard is incomplete.

## SAFETY DATA SHEET

### 511754 DAMASCENONE BETA NATURAL 5% IN TRIACETIN

Revision Date: 08-20-2020

Page 6 of 9

Version # 01

Print Date: 08-20-2020

**Symptoms related to the physical, chemical and toxicological characteristics** May cause an allergic skin reaction. Dermatitis. Rash.

#### Information on toxicological effects

**Acute toxicity** Not known.

Components	Species	Test Results
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1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE (CAS 23696-85-7)

#### **Acute**

##### *Dermal*

LD50	Rabbit	> 4 ml/kg
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##### *Oral*

LD50	Rat	> 2000 mg/kg
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TRACETIN (CAS 102-76-1)

#### **Acute**

##### *Oral*

LD50	Rat	3000 mg/kg
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**Skin corrosion/irritation** Due to partial or complete lack of data the classification is not possible.

**Serious eye damage/eye irritation** Due to partial or complete lack of data the classification is not possible.

#### Respiratory or skin sensitization

**Respiratory sensitization** Due to partial or complete lack of data the classification is not possible.

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

**Germ cell mutagenicity** Due to partial or complete lack of data the classification is not possible.

**Carcinogenicity** Due to partial or complete lack of data the classification is not possible.

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

Not listed.

#### **OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

#### **US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity** Due to partial or complete lack of data the classification is not possible.

**Specific target organ toxicity - single exposure** Due to partial or complete lack of data the classification is not possible.

**Specific target organ toxicity - repeated exposure** Due to partial or complete lack of data the classification is not possible.

**Aspiration hazard** Due to partial or complete lack of data the classification is not possible.

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## 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.

## SAFETY DATA SHEET

### 511754 DAMASCENONE BETA NATURAL 5% IN TRIACETIN

Revision Date: 08-20-2020

Page 7 of 9

Version # 01

Print Date: 08-20-2020

Components	Species	Test Results
TRIACETIN (CAS 102-76-1)		
<i>Acute</i>		
Other	NOEC	Pseudomonas putida > 1088 mg/l, 18 hours
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Green algae (Selenastrum capricornutum) > 940 mg/l, 72 hours (OECD Test Guideline 201)
Crustacea	EC50	Daphnia > 811 mg/l, 48 hours
Fish	LC50	Medaka, high-eyes (Oryzias latipes) > 100 mg/l, 96 hours (OECD Test Guideline 203)
		Pimephales promelas > 165 mg/l, 96 hours

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential**

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

TRIACETIN 0.25

**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

<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>	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**

Not regulated as dangerous goods.

**ADR**

Not regulated as dangerous goods.

**RID**

Not regulated as dangerous goods.



## SAFETY DATA SHEET

### 511754 DAMASCENONE BETA NATURAL 5% IN TRIACETIN

Revision Date: 08-20-2020

Page 8 of 9

Version # 01

Print Date: 08-20-2020

#### DOT

##### BULK

Not regulated as dangerous goods.

#### DOT

##### NON-BULK

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

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## 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.

SARA 311/312 Hazardous chemical      Yes

Classified hazard categories      Respiratory or skin sensitization

##### SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

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

Not regulated.

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

Not regulated.

Safe Drinking Water Act (SDWA)      Not regulated.





## SAFETY DATA SHEET

### 511754 DAMASCENONE BETA NATURAL 5% IN TRIACETIN

Revision Date: 08-20-2020

Page 9 of 9

Version # 01

Print Date: 08-20-2020

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

**Issue date** 08-20-2020  
**Revision date** 08-20-2020  
**Version #** 01  
**HMIS® ratings** Health: 2  
Flammability: 1  
Physical hazard: 0

**Disclaimer**

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