

Safety Data Sheet

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Damascenone (Fermentone) 1% in PG, Natural**
 Product Number: **0342001**

Recommended Use: Flavorings (Mixture)

Manufacturer: Aurochemicals
 7 Nicoll Street
 Washingtonville, NY 10992 – USA
 845-496-6065
 845-496-6284 Fax

Emergency Telephone No.: 1-800-535-5053
 (International 1-352-323-3500 collect)

Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards Target organ effect, Skin sensitizer,
 Target Organs Nerves, Liver, Heart
 GHS Classification Skin sensitisation (Category 2)
 Signal Word: Danger
 Pictogram or written description



Hazard Statement: H317 May cause an allergic skin reaction

Precautionary Statement P280 Wear protective gloves/protective clothing/eye and face protection
 HMIS Classification Health Hazard 2
 Chronic Health Hazard
 Flammability 0
 Physical Hazards 1

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation
Eyes	May cause eye irritation
Ingestion	May be harmful if swallowed

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component(s)	Classification	Concentration
CAS#23696-85-7		1%
1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-1-buten-1-one	Skin Sen.2; H317 Aquatic Chronic (1) H411	

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Common Name:	Damascenone
Synonyms:	Fermentone
CAS #	23696-85-7 / 57-55-6
EC#	245-833-2 / 200-338-0
Formula	C ₁₃ H ₁₈ O
Index –No	603-003-00-0
Molecular Weight	190.28 g/mol

Section 4: FIRST AID MEASURES

General Advise:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes as precaution.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water. Consult a physician.
Inhalation:	Provide fresh air, Consult a physician.
Ingestion:	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water, seek medical advice, show this container or label to attending physician.
Clothing contamination:	Remove contaminated clothing and wash before reuse.

Section 5: FIREFIGHTING MEASURES

Conditions of Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface- No smoking.
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Firefighting Procedures:	Do not stay in danger zone without self contained breathing apparatus. Prevent fire-fighting water from entering surface or ground water Cool unopened containers with water spray from a safe distance.
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Evacuate personnel to safe areas. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental-protected measures	Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system.
Procedures for cleaning / absorption	Take up with liquid absorbent material. Place in appropriate container and keep closed until disposal.

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Ventilate area

After clean up, wash spill area and ventilate the area well

Section 7: HANDLING AND STORAGE

Precautions for safe handling
Conditions for safe storage

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temp. 2-8°C. Handle and store under inert gas.
Air and moisture sensitive.
Hygroscopic

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. They should not be construed as offering an approval for any specific use scenario.

Complete suite protecting against chemicals should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory Protection:

Where risk assessment shows air purifying respirators are appropriate use a full face respirator with multi-purpose combination respirator cartridges as a back up to engineering controls. If the respirator is the sole means of protection, use a full face supplied air respirator.

Eye Protection:

Wear appropriate tightly fitting safety goggles. Face shield (8-inch minimum) NIOSH tested and approved.

Hand Protection:

Wear chemically resistant gloves of Nitrile rubber. Use proper glove removal technique to avoid skin contact with this product. Wash and dry hands after handling this product

Industrial Hygiene:

Handle in accordance with good industrial hygiene and safety practice. Change contaminated clothing and wash before reuse. Wash hands after working with product. Application of barrier cream is recommended.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid
Color:	Colorless to pale yellow
Odor:	Faint berry
Boiling Point:	265°C
Flashpoint:	< 107°C
Melting Point	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	2.63 mm Hg @20°C

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Specific Gravity @ 25°C:
Solubility

1.032-1.040
Soluble in ethanol, ether, and organic solvents

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Vapors may form explosive mixture with air.
Conditions to avoid	Extremes of temperature and direct sunlight.
Materials to avoid	Oxidizing agents, Acid chlorides, Acid anhydrides, Chloroformates
Hazardous decomposition products:	Fumes formed under fire conditions – carbon oxides
Further information	No data available

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50, Oral	No data available
LC50 Inhalation	No data available
LD50 Dermal	No data available
Other information on acute toxicity	No data available
Skin corrosion/irritation	Body tissue irritant
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available

Carcinogenicity

IARC	No component of this product, present levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP	No component of this product, present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity	No data available
Teratogenicity	No data available

Specific target organ toxicity-single exposure (GHS)	Eyes, liver, kidneys, nerves
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Specific target organ toxicity-repeated exposures (GHS)	No data available
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Aspiration Hazards	No data available
Potential Health effects	

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed
Skin	May be harmful if absorbed through skin. May cause skin irritation
Eyes	May cause eye irritation

Signs and Symptoms of Exposure	Central nervous system depression, narcosis, nausea, dizziness, damage to heart. To the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated.
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Synergistic effects
RTECS:

No data available
Not available

Section 12: ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB assessment	No data available
Other adverse effects	No data available

Section 13: DISPOSAL CONSIDERATIONS

Product:	According to local regulations
Packaging:	According to local regulations

Section 14: TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG-Classification	Not dangerous goods
IATA-Classification	Not dangerous goods

Section 15: REGULATORY INFORMATION

OSHA Hazards	Target organ effect, skin sensitizer, Carcinogen	
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.	
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.	
SARA 311/312 Hazards	Acute Health Hazard, Chronic Health Hazard	
Massachusetts Right to Know components	1-(2,6,6-Trimethyl-1-3-cyclohexadien-1-yl)-2-buten-1-one Rev. Date:	CAS# 23696-85-7
Pennsylvania Right to Know components	1-(2,6,6-Trimethyl-1-3-cyclohexadien-1-yl)-2-buten-1-one Rev. Date:	CAS# 23696-85-7
New Jersey Right to Know components	1-(2,6,6-Trimethyl-1-3-cyclohexadien-1-yl)-2-buten-1-one Rev. Date:	CAS# 23696-85-7
California Prop. 65 components	This product does not contain chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.	

Section 16: OTHER INFORMATION

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Aurochemicals provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Aurochemicals makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Aurochemicals will not be responsible, nor held liable, for damages resulting from use of or reliance upon this information.

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