

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name	Ionone Alpha, Natural
Product Number	0259400
CAS-No.	127-41-3

1.2 Product Recommended Use

Flavorings

1.3 Preparation Information

Company	Aurochemicals 7 Nicoll Street Washingtonville, NY 10992
Telephone	845-496-6065
Fax	845-496-6248

1.4 Emergency Telephone Number

1-800-535-5053
International - 1-352-323-3500 collect

Section 2: HAZARD(s) IDENTIFICATION

2.1 Classification of substance or mixture

GHS Classification (OSHA HCS)	Respiratory sensitisation (Category 1)
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2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Word	Danger
Hazard Statement	

Precautionary Statement(s)	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	P261	Avoid breathing dust/fume/gas/mist/vapors/spray
	P285	In case of inadequate ventilation wear respiratory protection
	P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Dispose of contents/container to an approved waste disposal plant.
	P501	

2.3 HNOC (Hazards not otherwise classified or not covered by GHS)

None

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Chemical characterization	Natural Product
Synonyms	4-(2,6,6-Trimethyl-2-cyclohexenyl)-3-buten-2-one
Formula	C ₁₃ H ₂₀ O
Molecular Weight	192.30 g/mol
CAS-No	127-41-3
EC-No.	204-841-6

Hazardous Components

Component	Classification	Concentration
4-(2,6,6-Trimethyl-2-cyclohexenyl)-3-buten-2-one	(Resp. Sens. 1; H334)	-

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Inhalation	Provide fresh air, keep at rest and at a comfortable position to breathe. Consult a physician.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water. Consult with physician.
Contact with eyes:	Flush eyes for 15 minutes as a precaution.
Ingestion	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Clothing contamination:	Remove contaminated clothing and wash before reuse.

4.2 Most important symptoms and effects both acute and delayed

The most important known symptoms and effects are described in the labeling. See section 2.2 and or section 11

4.3 Indication of any immediate medical attention and special treatment needed.

No data available

Section 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media Use water spray, alcohol resistant foam, dry chemicals or carbon dioxide

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for fire fighters

Wear self contained breathing apparatus for firefighting if necessary. Emits toxic fumes under fire conditions.

5.4 Further information

No data available

Section 6: ACCIDENTAL RELEASE MEASURES

- | | | |
|-----|--|---|
| 6.1 | Personal precautions, protective equipment and emergency procedures | Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8. |
| 6.2 | Environment precautions | Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system. |
| 6.3 | Methods and materials for containment and clean up | Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. |
| 6.4 | Reference to other sections | For disposal see section 13. |

Section 7: HANDLING AND STORAGE

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|-----|-------------------------------|--|
| 7.1 | Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use normal measures for preventive fire protection. See Section 2.2. |
| 7.2 | Conditions for Safe storage | Light Sensitive. Keep container tightly closed in a dry and well-ventilated place away from direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |
| 7.3 | Specific End use(s) | Flavorings |

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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|-----|---|--|
| 8.1 | Control parameters
Components with workplace control parameters | Contains no substance with workplace control parameters |
| 8.2 | Exposure Controls
Appropriate Engineering Controls | Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of each workday. |
| | 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. |
| | Eye/face protection | Wear appropriate tightly fitting safety goggles. Face shield (8-inch minimum) NIOSH tested and approved. |
| | Skin protection | Handle product with chemically resistant gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands after use. |
| | Body protection | Complete suite protecting against chemicals, made of flame retardant antistatic material 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. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a Appearance	Liquid, Viscous
b Color	Light Yellow
c Odor	Strong red raspberry aroma and taste
d Odor Threshold	No data available
e pH	No data available
f Melting Point /Freezing Point	Melting Point 42-47°C
g Boiling Point	237°C
h Flash Point	110°C
i Evaporation Rate	No data available
j Flammability (Solid, Gas)	No data available
k Upper/lower Flammability Limit	No data available
l Vapor pressure	No data available
m Vapor density	No data available
n Specific Gravity @ 25°C:	0.927-0.935
o Solubility	Insoluble in water and glycerin; soluble in alcohol (1:10 in 60% alcohol) Most fixed oils and propylene glycol
p Auto-ignition Temp.	No data available
q Decomposition Temp,	No data available
r Viscosity	No data available
s Explosive properties	No data available
t Oxidizing properties	No data available

9.2 Other Safety Information No data available

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical Stability	Stable under recommended storage conditions
10.3 Possibility of Hazardous reactions	No data available
10.4 Conditions to avoid	Light
10.5 Incompatible materials	Strong oxidizing agents
10.6 Hazardous decomposition products	No data available
10.7 Further Information	No data available

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity	No data available
LD50-Oral-	No data available
LC50-Inhalation	No data available
LD50-Dermal-	No data available
LD-50 Intraperitoneal-mouse	2,277 mg/kg
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available

Safety Data Sheet

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.
	ACGIH No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
	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)	No data available
Specific target organ toxicity-repeated exposures (GHS)	No data available
Aspiration Hazards	No data available
Potential Health effects	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Signs and Symptoms of Exposure	
Synergistic effects	No data available
RTECS:	EN0525000

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required / not conducted
12.6 Other adverse effects	No data available

Section 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods	
Product:	According to local regulations
Packaging	According to local regulations

Section 14: TRANSPORT INFORMATION

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

Section 15: REGULATORY INFORMATION

Safety Data Sheet

Reach No.	A registration number is not available for this substance as its uses are exempted from registration, the annual tonnage not require a registration or the registration is envisaged for a later registration deadline.
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
OSHA Hazards	Respiratory
Massachusetts Right to Know components	No components are subject to the Massachusetts Right to Know Act
Pennsylvania Right to Know components	4-(2,6,6-Trimethyl-2-cyclohexenyl)-3-buten-2-one CAS# 127-41-3 Rev. Date:
New Jersey Right to Know components	4-(2,6,6-Trimethyl-2-cyclohexenyl)-3-buten-2-one CAS# 127-41-3 Rev. Date
California Prop. 65 components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: OTHER INFORMATION

HMIS Rating

Health hazard	2
Chronic Health Hazard*	
Flammability	1
Reactive Hazard	0

Further Information

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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