

Safety Data Sheet

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name **Fenchyl Alcohol, Natural**
Product Number **0248000**

CAS-No. **1632-73-1**

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 in accordance with 29 CFR 1910 (OSHA HCS)

Skin irritation (Category 2)
Eye irritation (Category 2A)
Specific target organ toxicity – single exposure (Category 3), Respiratory System
Acute aquatic toxicity (Category 3)
Chronic aquatic toxicity (Category 3)

2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement

Warning

Hazard

Statement(s)

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H412 Harmful to aquatic life with long lasting effects

Precautionary
Statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash skin thoroughly after handling

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- P271 Use only outdoors or in a well ventilated area
 P273 Avoid release into the environment
 P280 Wear protective gloves/eye protection/face protection
 P302+P352 IF ON SKIN: Wash with plenty of soap and water
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P312 Call a POISON CENTER or doctor/physician if you feel unwell
 P332+P313 If skin irritation occurs: Get medical advice/attention
 P337+P313 If eye irritation persists: Get medical advice/attention
 P362 Take off contaminated clothing and wash before reuse
 P403+P233 Store in a well ventilated place. Keep container tightly closed
 P405 Store locked up
 P501 Dispose of contents/container to an approved waste disposal plant

2.3 HNOX (Hazards not otherwise classified or not covered by GHS) –None

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms	Fenchol
Formula	C ₁₀ H ₁₈ O
Molecular Weight	154.25 g/mol
CAS-No	1632-73-1
EC-No.	216-639-5

Hazardous Components

Component	Classification	Concentration
3,3-Dimethyl-8,9-dinorbornan-2-ol	Skin irritation (2), H315 Eye irritation (2A), H319 Specific target organ toxicity – single exposure (3), Respiratory System, H335 Acute aquatic toxicity (3), H402 Chronic aquatic toxicity (3), H412	-

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	Consult 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 and contact a physician.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 as a precaution. Seek medical advice/attention.
Ingestion	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse

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mouth with water. Consult a physician.

4.2 Most important symptoms and effects both acute and delayed Clothing contamination: Remove contaminated clothing and wash before reuse.
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 chemical 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 Wear personal protective equipment. Avoid formation of dust and aerosols. Avoid breathing dust vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Do not breathe dust.

6.2 Environment precautions Prevent further spillage if safe to do so. Do not allow to enter drains or sewage system. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and clean up Contain spillage. Soak up with absorbent material. Sweep up with broom and shovel. Place in a suitable, closed container for disposal.

6.4 Specific end use(s) Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for Safe storage Keep container tightly closed in a dry and well-ventilated place

7.3 Specific End use(s) Flavorings

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Contains no substances with occupational exposure limit values

8.2 Exposure Controls
Appropriate Engineering Controls Avoid contact with skin, eyes and clothing.

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Personal protective equipment

Handle in accordance with good industrial hygiene and safety practices.

Wash hands immediately after handling the product; before breaks and at the end of the day.

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 safety glasses with side shields. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin protection	Wear chemically resistant rubber gloves when handling this product. Use proper glove removal techniques (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use. Wash and dry hands.
Body protection	Impervious clothing 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	For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. 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. Discharge into the environment must be avoided.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a	Appearance	Colorless liquid, white to straw yellow crystalline solid
b	Odor	Camphor like
c	Odor Threshold	No data available
d	pH	No data available
e	Melting Point /Freezing Point	Melting Point: 35-40°C
f	Boiling Point	202°C
g	Flash Point	74°C
h	Evaporation Rate	No data available
i	Flammability (Solid, Gas)	No data available
j	Upper/lower Flammability Limit	No data available
k	Vapor pressure	No data available
l	Vapor density	No data available
m	Relative density at 25°C	0.955-0.965
n	Solubility	Slightly soluble in water, soluble in alcohol
o	Partition coefficient: n-octanol/water	log Pow: 2.25
p	Auto-ignition Temp.	No data available
q	Decomposition Temp.	No data available
r	Viscosity	No data available

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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	No data available
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

LD50-Oral	No data available
LC50-Inhalation	No data available
LD50-Dermal	No data available
Skin corrosion/irritation	No data available
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.
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

Specific target organ toxicity-single exposure (GHS)

Inhalation – May cause respiratory irritation

Specific target organ toxicity-repeated exposures (GHS)

No data available

Aspiration Hazards

No data available

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Signs and Symptoms of Exposure

Nausea, dizziness, headache

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated

Synergistic effect

No data available

RTECS:

Not available

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	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life

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

Reach No.

A registration number is not available for this substance as its uses are exempted from registration, the annual tonnage does 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

Massachusetts Right to Know

No components are subject to the Massachusetts Right to Know Act

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components

Pennsylvania Right to Know components 3,3-Dimethyl-8,9-dinorbornan-2-ol CAS# 1632-73-1 Rev. Date:

New Jersey Right to Know components 3,3-Dimethyl-8,9-dinorbornan-2-ol CAS# 1632-73-1 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 0
Physical 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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