

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name	Decanol (Alcohol C-10), Natural
Product Number	0236500
CAS-No.	112-30-1

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)

Flammable liquids (Category 4) H227
Eye irritation (Category 2A) H319
Acute aquatic toxicity (Category 3) H402
Chronic aquatic toxicity (Category 3) H412

2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement Warning

Hazard Statement(s)	H227 Combustible liquid
	H319 Causes serious eye irritation
	H412 Harmful to aquatic life with long lasting effects

Precautionary Statement(s)	P210 Keep away from heat/sparks/open flames/hot surfaces- No Smoking
	P264 Wash skin thoroughly after handling
	P273 Avoid release to the environment
	P280 Wear protective gloves/protective clothing/eye protection/face protection
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P305+P351+P338	If eye irritation persists, get medical advice/attention

P337+P313 In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.
 P370+P378 Store in a well ventilated place. Keep cool
 Dispose of contents/container to an approved waste disposal plant
 P403+P235
 P501

2.3 HNOC (Hazards not otherwise classified or not covered by GHS -None)

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms	n-Decyl Alcohol Alcohol C-10
Formula	C ₁₀ H ₂₂ O
Molecular Weight	158.28 g/mol
CAS-No	112-30-1
EC-No.	203-956-9

Hazardous Components

Component	Classification	Concentration
Decan-1-ol	Flammable liquids (Category 4) H227 Eye irritation (Category 2A) H319 Acute aquatic toxicity (Category 3) H402 Chronic aquatic toxicity (Category 3) H412	90-100%

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 and consult a physician.
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** 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 Use water spray to cool unopened containers.

Section 6: ACCIDENTIAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe area. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
- 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** 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 inhalation of vapors or mist. Keep away from sources of ignition – No smoking. Take measures to prevent the build-up of electrostatic charge.
- 7.2 **Conditions for Safe storage** 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.
- 7.3 **Specific End use(s)** Flavorings

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters**
Components with workplace control parameters: Contains no substances with occupational exposure limit values.
- 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 the day.
- 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 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, Nitrile rubber gloves, 0.4mm 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 Where risk assessment shows air purifying respirators are appropriate use a full face respirator with multi-purpose combination (US) or type ABEK (EN 14387) 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 governmental 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	Viscous, colorless liquid
b	Odor	Floral, resembling orange flower
c	Odor Threshold	No data available
d	pH	No data available
e	Melting Point /Freezing Point	5-7°C lit
f	Boiling Point	233°C
g	Flash Point	82°C closed cup
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	5.46 (Air=1.0)
m	Relative density at 25°C	0.826-0.831
n	Solubility	1:3 in 60% alcohol, soluble in ether, mineral oil, propylene glycol & most fixed oils Insoluble in glycerin and water
o	Partition coefficient: n-octanol/water	No data available
p	Auto-ignition Temp.	Ca.254°C at 1,015.0 hPa –Auto Flammability
q	Decomposition Temp.	No data available
r	Viscosity	15.81 mm ² /s at 20°C
s	Explosive properties	No data available
t	Oxidizing properties	No data available

9.2 Other Safety Information Surface tension 35.8 mN/m at 22.5 °C

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	Heat, Flames and sparks.
10.5 Incompatible materials	Strong oxidizing agents, Acid chlorides, Acid anhydrides
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-Rat

4,720 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity)

Lungs, Thorax or Respiration: Dyspnea

LC50-Inhalation-Rat

>2.05 mg/l 4-h

>71 mg/l 1-h

LD50-Dermal-Rabbit

>2,000 -4,000 mg/kg
(OECD Test Guidelines 402)

LD50-Dermal -Rat

>5,000 mg/kg

Skin corrosion/irritation

Rabbit: Mild skin irritation
(OECD Test Guideline 404)

Serious eye damage/eye irritation

Rabbit: Moderate eye damage – 24h

Respiratory or skin sensitization

Buehler Test – Guinea Pig
Did not cause sensitisation on laboratory animals

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

Signs and Symptoms of Exposure:

Prolonged or repeated exposure may cause: Drowsiness, Effects due to ingestion may include: Diarrhea, Difficulty in breathing, Aspiration or inhalation may cause chemical pneumonitis. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Synergistic effect

No data available

RTECS: HE4375000

Section 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Daphnia and other aquatic invertebrates – NOEC— Daphnia magna (Water Flea) 0.11 mg/l 21 d
12.2	Persistence and degradability	Biodegradability: Aerobic – Exposure time 30 days Result: 85% Readily biodegradable (OECD Test Guideline 301D)
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 with long lasting effects.

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

DOT (US)	NA-Number: 1993 Class: None	Packing Group: III
Proper shipping name:	Combustible Liquid n.o.s. (Decan-1-ol)	
Marine Pollutant:	No	
Poison Inhalation Hazard:	No	
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 nod 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	Fire Hazard, Acute health hazard		
Massachusetts Right to Know components	No components are subject to the Massachusetts Right to Know Act		
Pennsylvania Right to Know components	Decan-1-ol	CAS# 112-30-1	Rev. Date: 8/11/1989

Safety Data Sheet



New Jersey Right to Know components

Decan-1-ol

CAS# 112-30-1 Rev. Date: 8/11/1989

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 2
 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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