

Safety Data Sheet

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name	2,4-Decadienal 5% in Neobee, Natural
Product Number	0313505
CAS-No.	25152-84-5/73398-61-5

1.2 Product Recommended Use

Flavorings

1.3 Preparation Information

Company	Aurochemicals 7 Nicoll Street Washingtonville, NY 10992- USA
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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)

Acute toxicity, Oral (Category 4)
Skin corrosion/ irritation (Category 2)
Serious Eye Damage/Eye irritation (Category 2B)
Specific target organ toxicity - single exposure (Category 3)
Acute toxicity, Inhalation (Category 5)

2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement

Warning

Hazard Statement(s)

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H320	Causes eye irritation
H335	May cause respiratory irritation

Safety Data Sheet

Precautionary Statement(s)

PREVENTION

P261 Avoid breathing dust/fume/gas/mist/vapor/spray
 P264 Wash skin thoroughly after handling
 P271 Use only outdoors or in a well ventilated area
 P280 Wear protective gloves/protective clothing/face protection

RESPONSE

P320+P352 IF ON SKIN: Wash with plenty of water
 P303+P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P312 Call a POISON CENTER/doctor 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 it before reuse

STORAGE

P403+P233 Store in a well ventilated place. Keep container tightly closed

DISPOSAL

P501 Dispose of contents/container to an approved waste disposal plant

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

None

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Synonym p-Isopropyltoluene
 Formula $C_{10}H_{16}O$
 Molecular Weight 152.23 g/mol
 CAS-No 25152-84-5
 EC-No 246-668-9
Hazardous Components

Component	Classification	Concentration
trans,trans-2,4-Decadien-1-al	Skin irritation (2) H315 Eye irritation (2A) H319 STOT SE (3) H335	5%

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

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for

Safety Data Sheet

	breathing. Consult a physician.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water for several minutes, then wash with mild soap and warm water. Get medical attention if irritation develops and persists.
Contact with eyes:	Remove contact lenses if present and easy to do. Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
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 in 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. Do not use a solid water stream as it may scatter and spread fire.
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. Do not breathe fumes.
5.4 Further information	No data available

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Avoid contact with skin and eyes. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas, ventilate closed spaces before entering them.
6.2 Environment precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge to the environment must be avoided
6.3 Methods and materials for containment and clean up	Collect spillage with absorbent material and pick up with shovel. Keep in suitable closed container for hazardous waste disposal.
6.4 Specific end use(s)	Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

Safety Data Sheet



Section 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Avoid breathing vapor. Avoid contact with eyes, skin, clothing. Avoid prolonged exposure. Wash thoroughly after handling
- 7.2 **Conditions for Safe storage** Keep container tightly closed in a dry and well-ventilated place. Handle container with care. Containers which are opened must be carefully resealed and kept upright to prevent leakage. **Recommended storage temperature 2-8°C, Air sensitive, store under inert gas.**
- 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 Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday. Explosion proof ventilation equipment to stay below exposure limits.
- Personal protective equipment** **These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situations of anticipated use by our customers. They should not be construed as offering an approval or any specific use scenario.**
- Eye/face protection 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 Butyl gloves 0.3mm. 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 Body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substances at the specific work place.
- 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 backup 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 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

Safety Data Sheet

9.1 Information on basic physical and chemical properties

a	Appearance	Yellow liquid
b	Odor	Buttery, fatty, orange
c	Odor Threshold	No data available
d	pH	No data available
e	Melting Point /Freezing Point	-15°C
f	Boiling Point	>250°C
g	Flash Point	>230°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	5.26 (Air=1.0)
m	Relative density @25°C	0.935-0.950
n	Solubility	Insoluble in water, soluble in fixed oils and ethanol
o	Partition coefficient: n-octanol/water	No data available
p	Auto-ignition Temp.	>300°C
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	No data available

Safety Data Sheet

10.5 Incompatible materials	Strong oxidizing agents, Strong bases, Reducing 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
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	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects
Specific target organ toxicity-single exposure (GHS)	Not classified
Specific target organ toxicity-repeated exposures (GHS)	Inhalation- May cause respiratory irritation
Aspiration Hazards	No data available
Signs and Symptoms of Exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
Synergistic effects	No data available
RTECS:	No data available

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity	No data available
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Safety Data Sheet

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 a dangerous goods
IMDG	Not a dangerous goods
IATA	Not a dangerous goods

Section 15: REGULATORY INFORMATION

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 components	No components are subject to the Massachusetts Right to Know Act		
Pennsylvania Right to Know components	trans, trans-2,4-Decadien-1-al	CAS-No: 25152-84-5	Revision Date:
New Jersey Right to Know components	trans, trans-2,4-Decadien-1-al	CAS-No: 25152-84-5	Revision Date
California Prop. 65 components	This product does not contain any chemical known to the 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
 Physical Hazard 0
Further Information

Safety Data Sheet



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