

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name	Lauric Aldehyde (Aldehyde C-12), Natural
Product Number	0261500
CAS-No.	112-54-9

1.2 Product Recommended Use

Flavorings

1.3 Preparation Information

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

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), H315 Acute aquatic toxicity (Category 2), H401 Chronic aquatic toxicity (Category 2), H411
--	--

2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement
Hazard Statement(s)

WARNING

H315	Causes skin irritation
H402	Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P264	Wash skin thoroughly after handling
P273	Avoid release to the environment
P280	Wear protective gloves
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P332+P313	If skin irritation occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P391	Collect spillage
P403+P235	Store in a well ventilated area. Keep cool.

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

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 **Substances**
- Synonyms Laurinaldehyde; Dodecanal
Lauraldehyde; Aldehyde C12
Dodecyl aldehyde
- Formula C₁₂H₂₄O
Molecular Weight 184.32 g/mol
CAS-No 112-54-9
EC-No. 203-983-6

Hazardous Components

Component	Classification	Concentration
Dodecanal	Skin irritation (2), H315 Acute aquatic toxicity (2), H401 Chronic aquatic toxicity (2), H411	-

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.
- Contact with eyes: Rinse thoroughly with plenty of water for at least 15 minutes as a precaution. 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 areas.

- | | | |
|-----|---|--|
| 6.2 | Environment precautions | Prevent further leakage or 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 and 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 vapor or mist. Normal measures for preventive fire protection. |
| 7.2 | Conditions for Safe storage | Keep container tightly closed in a dry and well-ventilated place. Containers which have been 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 | 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. |
| | 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 | Wear appropriate tightly fitting safety goggles. NIOSH tested and approved. |
| | Skin protection | Wear chemically resistant Butyl rubber gloves, 03mm. 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 (U) 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 faced supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (U) 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 to yellow liquid, solidifies at low temperature |

Safety Data Sheet

b	Odor	Characteristic, fatty, reminiscent of violet in dilution
c	Odor Threshold	No data available
d	pH	No data available
e	Melting Point /Freezing Point	Melting Point: 11-13°C
f	Boiling Point	249°C
g	Flash Point	101°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	<300 hPa at 50°C
m	Relative density @25°C	0.826-0.840
n	Solubility	Soluble in alcohol and most fixed oils and propylene glycol, insoluble in glycerin and water; 1:2 in 50% alcohol
o	Partition coefficient: n-octanol/water	log Pow: 4.75
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	Do not heat over 290°C
10.5 Incompatible materials	Strong oxidizing agents, strong bases, strong 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

LD50-Oral- Rat	23,000 mg/kg
LC50-Inhalation	No data available
LD50-Dermal-Rabbit	No data available
Skin corrosion/irritation	Rabbit: irritation -24 hr
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)	No data available
Specific target organ toxicity-repeated exposures (GHS)	No data available
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:	JR1910000

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	Toxic to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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	UN Number: 3082 Class: 9 Packing Group III EMS-No: F-A, S-F
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Liquid n.o.s. (Dodecanal)
Marine Pollutant	Yes
IATA	UN Number: 3082 Class: 9 Packing Group III
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Dodecanal)

Further Information **EHS-Mark required:** (ADR 2.2.9.1.10, IMDG Code 2.10.3) for single packagings and combination packaging containing inner packagings with Dangerous Goods >5L for liquids or >5kgs for solids.

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

Safety Data Sheet

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

Dodecanal CAS# 112-54-9 Rev. Date:

New Jersey Right to Know components

Dodecanal CAS# 112-54-9 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.

Issued by:	Contact Person:
Aurochemicals	Deo N. Persaud
7 Nicoll Street	Revised Date: 8/15/2022
Washingtonville, NY 10992 USA	