

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Hexanal (Aldehyde C-6), Natural**
 Product Number: **0255700**
 Recommended Use: Flavorings


Manufacturer: Aurochemicals
 7 Nicoll Street
 Washingtonville, NY 10992 – USA
 845-496-6065
 845-496-6248 Fax

Emergency Telephone No.: 1-800-535-5053
 (International 1-352-323-3500 collect)

Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards: Flammable liquid
 GHS Classification: Flammable liquids (Category 3)
 Acute toxicity, Oral (Category 5)
 Skin irritation (Category 3)
 Eye irritation (Category 2B)

Signal Word: WARNING

Pictogram or written description: 

Hazard Statement: H226 Flammable liquid and vapor
 H303 May be harmful if swallowed
 H316 Causes mild skin irritation
 H320 Causes eye irritation

Precautionary Statement: P305+ IF IN EYES: Rinse cautiously with water for several minutes
 P351+ Remove contact lenses if present and easy to do,
 P338 Continue rinsing

HMIS Classification: Health Hazard 3
 Flammability 1
 Physical Hazards 0

Potential Health Effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
 Skin May be harmful if absorbed through skin. May cause skin irritation
 Eyes May cause eye irritation
 Ingestion May be harmful if swallowed

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Chemical Name	Hexanal
Common Name:	Hexanal
Synonyms:	Caproic Aldehyde, Aldehyde C6, Hexyl Aldehyde
CAS #	66-25-1
EC#	200-624-5
Molecular Formula	C ₆ H ₁₂ O
Molecular Weight	100.16 g/mol

Section 4: FIRST AID MEASURES

General Advise:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Contact with eyes:	Rinse thoroughly with water for at least 15 minutes and consult a physician.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water. Take victim immediately to hospital. Consult a physician
Inhalation:	Provide fresh air, Consult a physician.
Ingestion:	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water, seek medical advice, show this container or label to attending physician.
Clothing contamination:	Remove contaminated clothing and wash before reuse.

Section 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media	For small (incipient) fires, use media such as alcohol foam, dry chemical or carbon dioxide. For large fires, apply water from as far away as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
Special Firefighting Procedures:	Do not stay in danger zone without self contained breathing apparatus. Wear rubber boots and heavy rubber gloves. Prevent fire-fighting water from entering surface or ground water Cool unopened containers with water spray from a safe distance. Contain escaping vapors with water.
Hazardous combustion products	Hazardous decomposition products formed under fire conditions – Carbon oxides

Section 6: ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures	Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist or gas. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental-protected measures	Do not allow to enter drains or sewage system.
Procedures for cleaning / absorption	Take up with liquid absorbent material. Place in appropriate container and keep closed until disposal.
Ventilate area	After clean up, wash spill area and ventilate the area well

Section 7: HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition-No smoking. Take measures to prevent the buildup of electrostatic charge.
Storage:	Keep container tightly closed, in cool, dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2-8°C

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Contains no substances with occupational exposure limit values.
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.
Body Protection:	Clothing of impervious, flame retardant, antistatic material should be worn. The type of protective equipment must be selected according to the concentration and amount of the dangerous substances at the specific workplace.
Respiratory Protection:	Required when vapors / aerosols are generated.
Eye Protection:	Wear appropriate and tightly fitted safety goggles and face shield. (Face shield, min 8".)
Hand Protection:	Wear chemically resistant, gloves.
Industrial Hygiene:	Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. Change contaminated clothing and wash before reuse.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Safety Data Sheet

Form:	Liquid
Color:	Almost Colorless
Odor:	Fatty-green, grassy, fruity
Boiling Point:	131 °C
Flashpoint:	32°C
Melting Point	<-20 °C -lit
Ignition temperature	204°C
Lower Explosion Limit	1 % Vol.
Upper Explosion Limit	7.5 % Vol.
Vapor Pressure:	13 hPa 10 mmHg) at 25°C
Specific Gravity @ 25°C:	0.810-0.836
Solubility	Miscible in alcohol, propylene glycol, most fixed oils, slightly soluble in water
Relative vapor density	3.49 - (air=1.0)

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Vapors may form explosive mixture with air.
Conditions to avoid	Heat, flames and sparks
Materials to avoid	Oxidizing agents, strong bases, strong reducing agents, do not store near acids.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions-Carbon oxides. Other decomposition products-no data available

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity	
Oral LD50 Rat	4,890 mg/kg
Inhalation LC50	No data available
Dermal LD50	No data available
Other information on acute toxicity	No data available
Skin corrosion/irritation	Skin-rabbit-mild skin irritation 24 h
Serious eye damage/eye irritation	Eyes- rabbit- mild eye irritation 24 hr
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Genotoxicity in vitro-Hamster-Lungs Mutation in mammalian somatic cells
Carcinogenicity	IARC No component of this product present at 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 hazard No data available
 Potential Health effects No data available

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
 Ingestion May be harmful if swallowed
 Skin May be harmful if absorbed through skin. May cause skin irritation.
 Eyes May cause eye irritation

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: MN7175000

Section 12: ECOLOGICAL INFORMATION

Toxicity To Fish:
 LC0- Pimephales promelas (fathead minnow) – 22 mg/l – 96 h

Persistence and degradability No data available
 Bioaccumulative potential No data available
 PBT and vPvB assessment No data available
 Other adverse effect No data available

Section 13: DISPOSAL CONSIDERATIONS

Product: According to local regulations
 Packaging: According to local regulations

Section 14: TRANSPORT INFORMATION

DOT (US) UN-no. UN 1207 Class 3 Packing Group III
 Proper shipping name Hexaldehyde
 Reportable Quantity (RQ)
 Marine Pollutant No
 Poison inhalation hazard No

IMDG-Classification UN 1207 Class 3 Packing Group III EMS-No.: F-E, S-D
 Proper shipping name HEXALDEHYDE
 Marine Pollutant No

IATA-Classification UN 1207 Class 3 Packing Group III
 Proper shipping name Hexaldehyde

Section 15: REGULATORY INFORMATION

OSHA Hazards	Flammable liquid		
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		
Massachusetts Right to Know components	Hexanal	CAS# 66-25-1	Revision Date: 4/24/1993
Pennsylvania Right to Know components	Hexanal	CAS# 66-25-1	Revision Date: 4/24/1993
New Jersey Right to Know components	Hexanal	CAS# 66-25-1	Revision Date: 4/24/1993
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

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: 8/12/2022
Washingtonville, NY 10992 USA	