

HEALTH 2
FLAMMABILITY 2
REACTIVITY 0

Section 1: IDENTIFICATION

Product Name: **Trans-2-Hexenal, Natural**

Product Number: **0256000**

CAS-No.: 6728-26-3

Recommended Use: Flavorings

Manufacturer: Aurochemicals
7 Nicoll Street,
Washingtonville, NY 10992


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

Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards Combustible Liquid, Harmful by ingestion. Toxic by skin absorption. Skin sensitiser.

Target Organs Nerves, Liver

GHS Classification Flammable Liquids (Category 3)
Acute toxicity, Oral (Category 4)
Acute toxicity, Dermal (Category 3)
Skin irritation (Category 3)
Eye irritation (Category 2B)
Skin sensitization (Category 1)

Pictogram or written description 

Signal Word: **DANGER**

Hazard Statement: H226 Flammable liquid and vapor
H302 Harmful if swallowed
H311 Toxic in contact with skin
H316 Causes mild skin irritation
H317 May cause an allergic skin reaction
H320 Causes eye irritation

Precautionary Statement P280 Wear protective gloves/protective clothing/eye and face protection
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.

HMIS Classification Health Hazard 2
Flammability 2
Physical Hazards 0

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Component	Trans hex-2-enal
Common Name:	Trans 2 Hexenal
Synonyms:	Leaf Aldehyde
CAS #	6728-26-3
EC#	229-778-1
Formula	C ₆ H ₁₀ O
Molecular Weight	98.14 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 plenty of water for at least 15 minutes and seek medical advice.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water. 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

Conditions of Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface- No smoking.
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Firefighting Procedures:	Do not stay in danger zone without self contained breathing apparatus Prevent fire-fighting water from entering surface or ground water Cool unopened containers with water spray from a safe distance.
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides

Section 6: ACCIDENTIAL RELEASE MEASURES

Personal precautions	Evacuate personnel to safe areas. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental-protected measures	Prevent further leakage or spillage if safe to do so. 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

Precautions for safe 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
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charge.

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.
Recommended storage temperature 2-8°C. Light sensitive, Store under inert gas.

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:	Complete suite protecting against chemicals, made of flame retardant antistatic material 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:	Required when vapors / aerosols are generated
Eye Protection:	Wear appropriate safety goggles. Face shield (8-inch minimum) NIOSH tested and approved.
Hand Protection:	Wear chemically resistant gloves of Nitrile rubber.
Industrial Hygiene:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Change contaminated clothing and wash before reuse. Wash hands after working with product.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless to pale yellow
Odor:	Apple, Strawberry
Boiling Point:	47°C
Flashpoint:	39°C
Melting Point	No data available
Ignition temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	13 hPa (10 mmHg) at 20°C (68°F)
Specific Gravity @ 25°C:	0.840-0.850
Solubility	Insoluble in water, soluble in most organic solvents
Relative vapor density	3.39 (Air=1.0)

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	No data available
Conditions to avoid	Heat, Flames and Sparks.

Materials to avoid
Hazardous decomposition products:
Further information

Oxidizing agents; Strong bases; Strong reducing agents
Fumes formed under fire conditions – carbon oxides
No data available

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50, Oral Rat

780 mg/kg

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear and Taste) Eye: Lacrimation, Vascular: Regional or general arteriolar or venous dilation. Gastrointestinal: Changes in structure or function of salivary glands.

LC50 Inhalation

No data available

LD50 Dermal Rabbit

600 mg/kg

Other information on acute toxicity

No data available

Skin corrosion/irritation

Skin-Rabbit: Mild skin irritation -24 h

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

Teratogenicity

No data available

Specific target organ toxicity-single exposure

May cause drowsiness or dizziness.

(GHS)

Specific target organ toxicity-repeated exposures

No data available

(GHS)

Aspiration Hazards

No data available

Potential Health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion 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:

MP5900000

Section 12: ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB assessment	No data available
Other adverse effects	No data available

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

DOT (US)	UN 1988 Class 3 (6.1) Packing Group III
Proper shipping name	Aldehydes, Flammable Toxins n.o.s. (Trans-hex-2-enal)
Reportable Quantity (RQ)	
Marine pollutant	No
Poison Inhalation Hazard	No
IMDG-Classification	UN 1988 Class 3 (6.1) Packing Group III EMS-No.: F-E S-D
Proper shipping name	ALDEHYDES, FLAMMABLE TOXINS N.O.S. (Trans-hex-2-enal)
Marine pollutant	No
IATA-Classification	UN 1988 Class 3 (6.1) Packing Group III
Proper shipping name	Aldehydes, Flammable Toxins n.o.s. (Trans-hex-2-enal)

Section 15: REGULATORY INFORMATION

OSHA Hazards	Combustible Liquid, Harmful by ingestion; Toxic by skin absorption. Skin sensitizer.
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, Chronic Health Hazard
Massachusetts Right to Know components	No component are subject to the Massachusetts Right to Know Act
Pennsylvania Right to Know components	Trans-hex-2enal CAS# 6728-26-3 Rev. Date:
New Jersey Right to Know components	Trans-hex-2enal CAS# 6728-26-3 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

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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