

I. PRODUCT AND COMPANY IDENTIFICATION

Company:	Natural Advantage, LLC	Address:	1050 Cypress Creek Road Oakdale, Louisiana 71463
Telephone:	318-215-1456	Fax:	318-335-1579
Product Name:	Octanal, Natural	Chemical Name:	Octanal
Product Number:	NA2797		

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II. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]

Flammable liquid	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Chronic aquatic toxicity	Category C2

NFPA Hazard Rating: **Health: 2** **Fire: 2** **Reactivity: 0**

Labeling according to Regulation (EC) No 1272/2008 [CLP]:

Pictogram:**Signal word:** Warning**Hazard statement:**

H226 Flammable liquid and vapor
 H315 Causes skin irritation
 H319 Causes serious eye irritation
 H411 Toxic to aquatic life with long lasting effects

Precautionary statements:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces – No smoking
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment
 P241 Use explosion-proof equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge
 P264 Wash hands thoroughly after handling.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P303+P361+P353 IF ON SKIN: Remove/ take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 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.
 P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
 P391 Collect spillage.
 P403+P235 Store in a well ventilated place. Keep cool.
 P501 Dispose of contents/container to approved waste disposal plant, in accordance with local, state and federal regulations.

III. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name:	Octanal, Natural	Chemical Name:	Octanal
Synonyms:	Caprylic Aldehyde	CAS#:	124-13-0
Formula:	C8H16O	EINECS#:	204-683-8
Molecular Wt.:	128.21 g/mol		

IV. FIRST AID MEASURES

Inhalation	Remove from the exposure to fresh air. Contact a physician as necessary. If breathing is irregular or has stopped, start resuscitation and administer oxygen if available.
Eye Contact	Flush immediately with clean water for at least 15 minutes. Contact a physician if irritation persists.
Skin Contact	Remove any contaminated clothing or shoes. Wash affected areas thoroughly with soap and water. If irritation persists, contact a physician.
Ingestion	Do NOT induce vomiting. Give water to dilute. Contact a physician immediately.

V. FIRE-FIGHTING MEASURES

Flashpoint (Method Used):	51°C (125°F) (CC)
Lower Flammable Limit (% by Volume):	Information Not Applicable
Upper Flammable Limit (% by Volume):	Information Not Applicable
Extinguishing Media:	Water spray, Alcohol-resistant foam, dry chemical or carbon dioxide.
Special Fire Fighting Procedures:	Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.
Unusual Fire and Explosion Hazards:	None
NFPA Hazard Rating:	Health: 2 Fire: 2 Reactivity: 0

VI. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled.	Eliminate all ignition sources. Ventilate area. Contain spill and recover free product. Report spill to appropriate authorities if required.
Waste Disposal Method	Place material into sealed containers and dispose of in accordance with current applicable laws and regulations.

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VII. PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions to be taken in handling and storing:	Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use. Good manufacturing practices dictate that an eyewash fountain and/or safety shower should be available in the work area.
Other Precautions:	None.

VIII. CONTROL MEASURES

Occupational Exposure Limits:	Contains no substances with occupational exposure limit values.
Respiratory Protection:	None generally required. If desired use NIOSH approved respirator.
Ventilation:	Local exhaust meeting ACGIH criteria as needed.
Protective Gloves:	Use chemical resistant gloves.
Protective Eyewear:	Use splash goggles or face shield when eye contact might occur.
Other Protective Clothing or Equipment:	Clothing designed to prevent skin contact.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	171°C (339.8°F)	Specific Gravity (H ₂ O = 1):	0.810 - 0.830
Vapor Pressure (mm Hg):	Information Not Available	Flash Point:	51°C (125°F) (CC)
Vapor Density (AIR = 1):	>1.0	Melting Point:	-23°C (-9.4°F)
Solubility in Water:	Insoluble	Evaporation Rate:	Information Not Available
pH:	Information Not Available	Color:	Colorless to Light Yellow
Flammability (solid, gas):	Information Not Available	Oxidizing properties:	Information Not Available
Upper/lower flammability or explosive limits:	Information Not Available	Odor:	Unripe citrus fruits and flower buds
Autoignition temperature:	Information Not Available	Partition coefficient:	Information Not Available
Viscosity:	Information Not Available	Decomposition temperature:	Information Not Available
Appearance:	Clear Liquid	Explosive properties:	Information Not Available

X. REACTIVITY DATA

Stability:	Chemically Stable under recommended storage conditions.	Conditions to Avoid: Heat, flames, sparks. No smoking.
Incompatibility with other Substance (Materials to Avoid):	Strong oxidizing agents	
Hazardous Decomposition or Byproducts:	Carbon Oxides	
Hazardous Polymerization:	No	

XI. TOXICOLOGICAL INFORMATION

Acute toxicity: LD50 Oral-Rat 3730 mg/kg		Skin corrosion/irritation:	May be harmful
Serious eye damage/eye irritation:	Mild irritation 24 h	Respiratory or skin sensitization:	May be harmful
Germ cell mutagenicity:	Information Not Available	Reproductive toxicity:	Information Not Available
Specific target organ toxicity (single exposure):	Information Not Available	Specific target organ toxicity (repeated exposure):	Information Not Available
Aspiration hazard:	May be harmful		
Carcinogenicity:	Octanal is not listed as carcinogenic by IARC, ACGIH, NTP, or OSHA.		

XII. ECOLOGICAL INFORMATION

Toxicity:	Information Not Available	Persistence and Degradation:	Information Not Available
Bioaccumulative potential:	Information Not Available	Mobility in soil:	Information Not Available
PBT and vPvB assessment:	Information Not Available	Other adverse effects:	Information Not Available

XIII. DISPOSAL CONSIDERATIONS

Product:	Observe all federal, state, and local environmental regulations in disposing this material.
Contaminated packaging:	Dispose of as unused product.

XIV. TRANSPORTATION INFORMATION

DOT (US)	UN Number: 1191	Class: 3	Packing Group: III
Proper Shipping Name:	Octyl aldehydes	Marine pollutant: No	Poison Inhalation Hazard: No

IMDG	UN Number: 1191	Class: 3	Packing Group: III
Proper Shipping Name:	Octyl aldehydes	Marine pollutant: No	

IATA	UN Number: 1191	Class: 3	Packing Group: III
Proper Shipping Name:	Octyl aldehydes		

XV. REGULATORY INFORMATION

OSHA Hazards	Flammable Liquid, Irritant
US Federal	TSCA: CAS# 124-13-0 is listed on the TSCA Inventory California Prop. 65: This product does not contain any chemicals known to cause cancer, birth defects, or any other reproductive harm.
SARA 311/312	Fire Hazard, Acute Health Hazard
Regulation	Complies with EC 1272/2008.

XVI. OTHER INFORMATION

Creation Date:	8/31/2010
Revision #:	4
Revision Date:	12/27/2019
Liability Statement:	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Natural Advantage, LLC shall not be held liable for any damage resulting from handling or from contact with the above product.

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