

HEALTH 2
FLAMMABILITY 3
REACTIVITY 0

Section 1: IDENTIFICATION

Product Name: **Propyl Propionate, Natural**
 Product Number: **0295800**
 Recommended Use: Flavorings


Manufacturer: Aurochemicals
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 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, Irritant

GHS Classification Flammable Liquids (Category 2)
 Acute toxicity, Inhalation Category 4)
 Skin irritation (Category 2)
 Eye irritation (Category 2A)

Pictogram or written description 

Signal Word: **DANGER**

Hazard Statement: H225 Highly flammable liquid and vapor
 H315 Causes skin irritation
 H319 Causes serious eye irritation
 H332 Harmful if inhaled

Precautionary Statement 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 electrical/ventilating/lighting/equipment
 P242 Use only non sparking tools
 P243 Take precautionary measures against static discharge
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray
 P264 Wash skin thoroughly after handling
 P271 Use only outdoors or in a well ventilated area
 P280 Wear protective gloves/ protective clothing/eye protection/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
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell
 P332+P313 If skin irritation occurs: Get medical advice/attention
 P337+P313 If eye irritation persists: Get medical advice/attention
 P370+P378 In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction
 P403+P235 Store in a well ventilated place. Keep cool.
 P501 Dispose of contents/container to an approved waste disposal plant.

HMIS Classification Health Hazard 2
 Flammability 3
 Physical Hazards 0

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Component Propyl Propionate
 Common Name: Propyl Propionate
 CAS # 106-36-5
 EC# 203-389-7
 Formula C₆H₁₂O₂
 Index –No 607-030-00-9
 Molecular Weight 116.16 g/mol

Hazards Component

Component	Classification	Concentration
Propyl propionate	Flammable Liquids (2) H225 Acute toxicity, Inhalation (4)H332 Skin irritation (2) H315 Eye irritation (2A) H319	-

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: ACCIDENTAL 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. Avoid inhalation of vapor or mist. Use explosion proof equipment. Keep away from sources of ignition-No smoking. Take measures to prevent the buildup of electrostatic 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.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:	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:	Where risk assessment shows air purifying respirators are appropriate use a full face respirator with multipurpose combination (US) or type ABEK (EN14387) respirator cartridges as a back up 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).
Eye Protection:	Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Hand Protection:	Wear chemically resistant gloves of Nitrile rubber. Use proper glove removal techniques (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.
Industrial Hygiene:	Handle in accordance with good industrial hygiene and safety practice. Change contaminated clothing and wash before reuse. Wash hands after working with product. Application of barrier cream is recommended.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Clear, colorless liquid
Odor:	Fruity
Boiling Point:	122-124oC
Flashpoint:	79°C
Melting Point	Melting Point: -76oC
Ignition temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	No data available
Vapor Density:	4.01 (Air=1.0)
Specific Gravity @ 25°C:	0.881
Solubility	Soluble in most organic solvents

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. Extremes of temperature and direct sunlight.
Materials to avoid	Strong oxidizing agents, Strong bases, Strong reducing agents
Hazardous decomposition products:	Fumes formed under fire conditions – carbon oxides
Further information	No data available

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity LD50, Oral Rat	10,331 mg/kg
	Remarks: Sense Organs and Special Senses (Nose, Ear and Taste): Eye: Lacrimation. Behavioral: Somnolence (general depressed activity) diarrhea.
LC50 Inhalation-Mouse	24,000 mg/m3 - 2h
LD50 Dermal Rabbit	>14,128 mg/kg
Other information on acute toxicity	No data available
Skin corrosion/irritation	Skin-Rabbit: skin irritation -24
Serious eye damage/eye irritation	Eye- Rabbit: moderate eye irritation
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 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 Hazards	No data available
Potential Health effects	
	Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
	Ingestion May be harmful if swallowed
	Skin May be harmful if absorbed through skin. Causes skin irritation
	Eyes Causes 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:	UF7100000

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 3272 Class 3	Packing Group II	
Proper shipping name	Esters, n.o.s.		
Reportable Quantity (RQ)	No		
Marine pollutant	No		
Poison Inhalation Hazard	No		
IMDG-Classification	UN 3272 Class 3	Packing Group II	EMS-No.: F-E S-D
Proper shipping name	ESTERS, N.O.S. (Propyl propionate)		
Marine pollutant	No		
IATA-Classification	UN 3272 Class 3	Packing Group II	
Proper shipping name	Esters, n.o.s. (Propyl propionate)		

Section 15: REGULATORY INFORMATION

OSHA Hazards	Flammable liquid, Irritant
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Safety Data Sheet

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

Massachusetts Right to Know components

Propyl propionate CAS# 106-36-5 Rev. Date: 4/24/1993

Pennsylvania Right to Know components

Propyl propionate CAS# 106-36-5 Rev. Date: 4/24/1993

New Jersey Right to Know components

Propyl propionate CAS# 106-36-5 Rev. 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.

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