

HEALTH	0
FLAMMABILITY	3
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Propyl Isobutyrate, Natural**
 Product Number: **0293600**
 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 Classifications Flammable Liquid (Category 3) H-226

GHS Label elements, including precautionary statements
 Pictogram



Signal Word **Warning**

Hazard Statement(s) H226 Flammable liquid and vapor

Precautionary Statement (s)

P210	Keep away from heat/sparks/open flame/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
P280	Wear protective gloves/clothing/eye and face protection
P303+P361+P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing
P370+P378	In case of fire: Use dry sand, Dry chemical or alcohol resistant foam for extinction
P403+P235	Store in well ventilated place. Keep cool
P501	Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise Classified (HNOC) None

or not covered by GHS

HMIS Classification

Health Hazard	0
Flammability	3
Physical Hazard	0

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Propyl Isobutyrate
Common Name:	Propyl Isobutyrate
Synonyms:	n-Propyl-2-methylpropanoate
CAS #	644-49-5
EC#	211-417-4
Molecular Formula	C ₇ H ₁₄ O ₂

Hazardous component

Component	Classification	Concentration
Propyl Isobutyrate	Flam. Liq. 3: H225	-
For the full text of the H-Statements mentioned in this section, See Section 16		

Section 4: FIRST AID MEASURES

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Contact with eyes:	Rinse thoroughly with plenty of water and seek medical advice.
Contact with skin:	Rinse with first cool water; then wash with mild soap and warm water. Seek medical advice.
Inhalation:	Provide fresh air.
Ingestion:	Never give anything by mouth to an unconscious person. Administer water, rinse out mouth, seek medical advice, show this container or label to attending physician.
Clothing:	Remove contaminated clothing and wash before re-use.

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 containers with flooding quantities of water.
Special hazards arising from the substance or mixture	Carbon Oxides
Advice for firefighters	Wear self contained breathing apparatus for firefighting if necessary.
Further information	Use water spray to cool unopened containers

Section 6: ACCIDENTIAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid breathing vapors, mist or gas. Remove all sources of ignition. Take measures to prevent the buildup of electrostatic charges. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental precautions	Do not allow to enter drains, or sewage system
Methods and materials for containment/cleanup	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed container for disposal.
Ventilation	After sweep up, wash area and ventilate area well

Section 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid inhalation of vapor or mist. Keep away from sources of ignition-No smoking. Take measures to prevent the buildup of electrostatic charge.
Conditions for safe storage	Keep away from heat, sparks and open flames. No smoking. Keep container tightly closed in a dry, cool, and well-ventilated place. Containers which are opened must be kept upright to prevent leakage.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Contains no substances with occupational exposure limit values Handle in accordance with good industrial hygiene and safety practices. Wash hands after handling this product.
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:	Protective clothing 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.
Ventilation:	Local exhaust preferred –Fume Hoods/Extractors. General ventilation required.
Respiratory Protection:	Required when vapors / aerosols are generated.
Eye Protection:	Wear eye and face protection – Face Shield.
Hand Protection:	Wear chemically resistant gloves. Use proper removal technique to avoid skin contact with this product.
Industrial Hygiene:	Handle in accordance with good industrial hygiene and safety practice. Wash hands after working with product.
Environmental exposure Control	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Odor:	Sweet pineapple
Melting Point / Freezing Point:	No data available
Boiling Point:	134°C (273°F)-lit
Flash Point:	33°C – closed cup
Ignition temperature:	No data available
Auto Ignition:	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	No data available
Specific Gravity @ 25°C:	0.860-0864
Solubility:	Soluble in organic solvents and alcohol; Insoluble in water

Section 10: STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions
Possible hazardous reactions:	Vapors may form explosive mixture with air
Conditions to avoid:	Heat, Flames and sparks
Materials to avoid:	Strong oxidizing agents
Hazardous decomposition products	No data available
Other decomposition products	No data available

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity		
LD50, Oral		No data available
LC50 Inhalation		No data available
LD50 Dermal		No data available
Other information on acute toxicity		No data available
Skin corrosion/irritation		No data available
Serious eye damage/irritation		No data available
Respiratory or skin sensitisation		No data available
Germ cell mutagenicity		No data available
Carcinogenicity		No data available
	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 0.15 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 Exposure (GHS)		No data available
Aspiration hazard		No data available
Potential health effects		
	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 effect		No data available
RTECS		Not available

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	Not available as chemical safety assessment not required/not conducted
Other adverse effects	No data available
Further ecological data	Do not allow to enter water, drain or soil

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

DOT (US)	UN number: 3272	Class 3	Packing Group III
Proper Shipping Name:	Esters, n.o.s.		
Marine pollutant	No		
Poison Inhalation Hazard	No		
IMDG	UN number: 3272	Class 3	Packing Group III EMS-No. F-E,S-D
Proper Shipping Name:	ESTERS, N.O.S. (Propyl Isobutyrate)		
Marine pollutant	No		
IATA	UN number: 3272	Class 3	Packing Group III
Proper Shipping Name:	Esters, n.o.s. (Propyl Isobutyrate)		

Section 15: REGULATORY INFORMATION

OSHA Hazards	Flammable Liquid.
DSL Status	All components of this product are on the Canadian DSL.
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	No components are subject to the Massachusetts Right to Know Act
Pennsylvania Right to Know Components	Propyl Isobutyrate CAS# 644-49-5 Rev. Date:
New Jersey Right to Know Components	Propyl Isobutyrate CAS# 644-49-5 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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