

Safety Data Sheet

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| HEALTH | 2 |
| FLAMMABILITY | 4 |
| REACTIVITY | 0 |

Section 1: IDENTIFICATION

Product Name: **Propyl Acetate, Natural**
 Product Number: **0292500**
 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, Irritant**

Other hazards which do not result in classification **Stench**

GHS Classification **Flammable Liquids (Category 2)**
Eye Irritation (Category 2A)
Specific target organ toxicity-Single exposure (Category 3)

Pictogram or written description

Signal Word: **DANGER**

Hazard Statement: **H225** Highly Flammable liquid and vapor.
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Precautionary Statement **P210** Keep away from heat/sparks/open flames/hot surfaces-No smoking
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P305+ IF IN EYES: Rinse cautiously with water for several minutes.
P351+ Remove contacts if present and easy to do
P338 Continue rinsing

Other hazards **Repeated exposure may cause skin dryness or cracking.**

HMIS Classification **Health Hazard 2**
Flammability 4
Physical Hazards 0

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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

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| Component | Propyl acetate |
| Common Name: | Propyl Acetate |
| CAS # | 109-60-4 |
| EC# | 203-686-1 |
| Index-No.: | 607-024-00-6 |
| Formula | C ₅ H ₁₀ O ₂ |
| Molecular Weight | 102.13 g/mol |

Section 4: FIRST AID MEASURES

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| General Advise: | Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. |
| Contact with eyes: | Flush eyes with water as a precaution. |
| 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

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| 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

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| 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. Discharge into the environment must be avoided. |
| 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. |

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Section 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. 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. Handle and store under inert gas. Air and Moisture sensitive.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| Exposure Limits: | | | Components with workplace control parameters | |
|-----------------------------------|----------|-------|--|--|
| Components | CAS-No. | Value | Control Parameters | Basis |
| Propyl acetate | 109-60-4 | TWA | 200 ppm | USA. ACGIH Threshold Limit Values (TLV) |
| Remarks: | | | Eye & Upper Respiratory Tract Irritation | |
| | | STEL | 250 ppm | USA. ACGIH Threshold Limit Values (TLV) |
| Remarks | | | Eye & Upper Respiratory Tract Irritation | |
| | | TWA | 200 ppm 840 mg/m3 | USA. Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants |
| The value in mg/m3 is approximate | | | | |
| | | TWA | 200 ppm 840 mg/m3 | USA. Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants |
| | | STEL | 250 ppm 1,050 mg/m3 | USA. Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants |
| | | TWA | 200 ppm 840 mg/m3 | USA. NIOSH Recommended Exposure Limits |
| | | ST | 250 ppm 1,050 mg/m3 | USA. NIOSH Recommended Exposure Limits |

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:

Impervious, flame retardant and anti-static 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.

Respiratory Protection:

Required when vapors / aerosols are generated.

Eye Protection:

Wear tightly fitting safety goggles, Face shield – 8 " min. Wear appropriate eye and face protection.

Hand Protection:

Wear chemically resistant gloves of Nitrile rubber.

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.

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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| Form: | Liquid |
| Color: | Highly mobile, colorless |
| Odor: | A fruity (pear-raspberry) odor |
| Boiling Point: | 102°C |
| Flashpoint: | 12°C |
| Melting Point | N/A |
| Ignition temperature | 450°C |
| Lower Explosion Limit | 1.7% Vol |
| Upper Explosion Limit | 8% Vol |
| Vapor Pressure: | 33 hPa (25 mmHg) at 20°C (68°F) |
| Specific Gravity @ 25°C: | 0.888 -0.900 |
| Solubility | Soluble in most organic solvents |
| Relative vapor density | 3.53-(Air-1.0) |
| Evaporation Rate | No data available |

Section 10: STABILITY AND REACTIVITY

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| Chemical Stability | Stable under recommended storage conditions |
| Possibility of hazardous reactions | Vapors may form explosive mixture with air. |
| Conditions to avoid | Avoid moisture, Heat, flames, sparks, Extremes of temperature and direct sunlight |
| Materials to avoid | Oxidizing agents |
| Hazardous decomposition products: | Fumes formed under fire conditions – carbon oxides |
| Further information | No data available |

Section 11: TOXICOLOGICAL INFORMATION

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| Acute Toxicity | |
| LD50, Oral - Rat | 9,370 mg/kg Remarks: Behavioral: Somnolence (general depressed activity) Skin and Appendages: Other: hair |
| LC50 Inhalation | No data available |
| LD50 Dermal - Rabbit | >17,740 mg/kg |
| Other information on acute toxicity: | No data available |
| Skin corrosion/irritation | Skin- Rabbit—open irritation test |
| 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. |

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| 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 | Reproductive toxicity-rat-inhalation Maternal Effects: Other effects: No data available |
| Teratogenicity | No data available |
| Specific target organ toxicity-single exposure (GHS) | May cause drowsiness or dizziness |
| 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. Vapors may cause drowsiness and dizziness |
| 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 | Prolonged or repeated exposure can cause-narcosis |
| Synergistic effects | No data available |
| RTECS: | AJ367500 |

Section 12: ECOLOGICAL INFORMATION

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| Toxicity | No data available |
| Toxicity to daphnia and other aquatic invertebrates | EC50- Daphnia Magna (Water Flea) – 3187 mg/l -24 h |
| 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 | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life. |

Section 13: DISPOSAL CONSIDERATIONS

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|------------|--------------------------------|
| Product: | According to local regulations |
| Packaging: | According to local regulations |

Section 14: TRANSPORT INFORMATION

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| DOT (US) | UN 1276 Class 3 Packing Group II |
| Proper shipping name | n-Propyl acetate |

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Reportable Quantity (RQ)
Marine pollutant No
Poison Inhalation Hazard No

IMDG-Classification UN 1276 Class 3 Packing Group II EMS-No.: F-E, S,D
Proper shipping name n-PROPYL ACETATE
Marine pollutant No

IATA-Classification UN 1276 Class 3 Packing Group II
Proper shipping name n-Propyl acetate

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.

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 Acetate CAS#109-60-4 Rev. Date: 4/24/1993

Pennsylvania Right to Know components Propyl Acetate CAS#109-60-4 Rev. Date: 4/24/1993

New Jersey Right to Know components Propyl Acetate CAS#109-60-4 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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