

Safety Data Sheet

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| HEALTH | 2 |
| FLAMMABILITY | 1 |
| REACTIVITY | 0 |

Section 1: IDENTIFICATION

Product Name: **Palmitic Acid (C16 Acid), Natural**
Product Number: 0283200
CAS #: 57-10-3

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: No known OSHA Hazards

GHS Classification: Not a dangerous substance or mixture according to GHS

GHS Label elements, including precautionary statements: None

Pictogram: None

Signal Word: None

Hazard Statement(s): None

Precautionary Statement(s): None

HMIS Classification:

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| Health Hazard | 2 |
| Flammability | 1 |
| Physical Hazards | 0 |

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms: Hexadecanoic Acid

Formula: $C_{16}H_{32}O_2$

Molecular Weight: 256.42 g/mol

CAS #: 57-10-3

EC#: 200-312-9

| Component | Concentration |
|---------------|---------------|
| Palmitic acid | - |

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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: | Rinse thoroughly with plenty of water for at least 15 minutes as a precaution |
| Contact with skin: | Remove contaminated clothing. Rinse skin with cool water then wash with plenty of mild soap and warm water. |
| 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. |
| Clothing contamination: | Wash contaminated clothing before re-use |

Section 5: FIREFIGHTING MEASURES

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| Suitable extinguishing media | Use water spray, alcohol resistant foam, dry chemical or carbon dioxide |
| Special protective equipment for firefighters | Wear self contained breathing apparatus for firefighting if necessary |
| Other Information | Hazardous decomposition products formed under fire conditions – Carbon oxides. |

Section 6: ACCIDENTAL RELEASE MEASURES

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| Personal precautions | Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. |
| Environmental-protected measures | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Procedures for cleaning / absorption | Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal |
| Ventilate area | After sweep up, wash area and ventilate area well |

Section 7: HANDLING AND STORAGE

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| Precautions for safe handling | Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection |
| Conditions for safe storage | Keep container tightly closed in a dry and well-ventilated place |

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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| Exposure Limits: | Contains no substances with occupational exposure limit values |
| Exposure Controls: | Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday. |
| Personal Protective Equipment: | These recommendations are advisory only and must be evaluated by an industrial |

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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:

Clothing protecting against chemicals 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:

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye Protection:

Wear appropriate safety glasses with side shields. 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 Nitrile rubber gloves, 0.11mm and use proper glove removal techniques to avoid skin contact with this product. Wash and dry hands after handling this product.

Industrial Hygiene:

Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Wash hands after working with product and at the end of the work day.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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| Form: | Flakes |
| Color: | White |
| Odor: | Fatty odor |
| Melting Point | 62-64°C |
| Boiling Point: | 200°C |
| Flashpoint: | >110°C |
| Ignition temperature | No data available |
| Lower Explosion Limit | No data available |
| Upper Explosion Limit | No data available |
| Vapor Pressure: | 13 hPa at 210°C |
| Specific Gravity @ 25°C: | 0.852 |
| Solubility | Practically insoluble in water Soluble in alcohol, ether, chloroform |

Section 10: STABILITY AND REACTIVITY

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| Chemical stability | Stable under recommended storage conditions |
| Possibility of Hazardous reactions | No data available |
| Conditions to avoid | No data available |
| Materials to avoid | Strong Oxidizing Agents, Strong reducing agents, Bases |
| Hazardous decomposition products | Hazardous decomposition products formed under fire conditions- Carbon oxides. |

Section 11: TOXICOLOGICAL INFORMATION

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| LD50, Oral- Rat (male & female) | >5,000 mg/kg (OECD Test Guideline 401) |
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| LC50 Inhalation | No data available |
| LD50 Dermal | No data available |
| Further toxicological information | No data available |

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| Skin corrosion / irritation | Rabbit: No skin irritation -4h (OECD Test Guideline 404) |
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| Serious eye damage / eye irritation | Rabbit: No eye irritation (OECD Test Guideline 405) |
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| Respiratory or skin sensitization | No data available |
| Germ cell mutagenicity | No data available |

Carcinogenicity

Mouse – Implant
Tumorigenic: Neoplastic by RTECS criteria: Kidney, Ureter, Bladder: Tumors

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 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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| Reproductive toxicity | 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 |

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| RTECS | RT4550000 |
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| Additional information | To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated |
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Section 12: ECOLOGICAL INFORMATION

Toxicity:

To Fish: LC50 (semi-static test): Brachydanio rerio -> 1,000 mg/l – 96h (OECD Test Guideline 203)

To Daphnia and other aquatic invertebrates: EC50 (Static test): Daphnia magna (Water flea) - >4.8 mg/l – 48h (OECD Test Guideline 202)

To Algae: EC50 (Static Test) Selenastrum capricornutum (green algae) >0.9 mg/l -72 hr (OECD Test Guideline 201)

To Bacteria: LC0- Pseudomonas putida – 3,000 mg/l – 30 min (OECD Test Guideline 209)

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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) Not dangerous goods
 IMDG Not dangerous goods
 IATA Not dangerous goods

Section 15: REGULATORY INFORMATION

OSHA Hazards No known OSHA hazards

REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

SARA 302 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 Acute Health Hazard

Massachusetts Right to Know Components No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right to Know Components Palmitic Acid CAS # 57-10-34 Rev. Date:

New Jersey Right to Know Components Palmitic Acid CAS # 57-10-34 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.

| Issued by: | Contact Person: |
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