

Section 1: Identification

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|-----------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Common Name/Trade Name | ISOPROPYL PALMITATE NF | |
| Supplier Information | Letco Medical 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693 | IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) |
| Product Synonym(s) | N/A | |
| Relevant Use(s) of Product | Manufacture or Compounding of Substances | |

Section 2: Hazards Identification

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|-----------------------------------------------|---------------------------------------|
| Classification of Substance or Mixture | Not a hazardous substance or mixture. |
| Signal Word | None |
| Hazard Statement(s) | N/A |
| Pictogram(s) | N/A |
| Precautionary Statement(s) | N/A |
| Hazards Not Otherwise Classified | No data available |
| Ingredient(s) with Unknown Toxicity | No data available |

Section 3: Composition/Information on Ingredients

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|------------------------------------------------|---------------------|
| Chemical Name | N/A |
| Common Name | Isopropyl Palmitate |
| CAS Number | 142-91-6 |
| Impurities and/or Stabilizing Additives | No data available |

Section 4: First Aid Measures

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| General Advice | No components need to be disclosed according to the applicable regulations. |
| If Inhaled | If breathed in, move person into fresh air. If not breathing, give artificial respiration. |
| In Case of Skin Contact | Wash off with soap and plenty of water. |
| In Case of Eye Contact | Flush eyes with water as precaution. |
| If Swallowed | Never give anything by mouth to an unconscious person. Rinse mouth with water. |
| Most Important Symptoms and Effects | The most important known symptoms and effects are described in the labeling (see section 2.2) and/or section 11. |

Section 5: Fire Fighting Measures

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| Suitable Extinguishing Media | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Special Hazards Arising From the Substance/Mixture | No data available |
| Special PPE and/or Precautions for Firefighters | Wear self contained breathing apparatus for fire fighting if necessary. |

Section 6: Accidental Release Measures

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| Personal Precautions, Protective Equipment and Emergency Procedures | Avoid breathing vapours, mist or gas. |
| Methods and Materials Used for Containment | Keep in suitable, closed containers for disposal. |
| Cleanup Procedures | Keep in suitable, close containers for disposal. No special environmental precautions required. |

Section 7: Handling and Storage

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| Precautions for Safe Handling | For precautions see section 2.2. Not a hazardous substance or mixture. |
| 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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| Components with Workplace Control Parameters | Contains no substances with occupational exposure limit values. |
| Appropriate Engineering Controls | General industrial hygiene practice. |
| PPE - Eye/Face Protection | Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). |
| PPE - Skin Protection | Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws good laboratory practices. Wash and dry hands. |
| PPE - Body Protection | Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws good laboratory practices. Wash and dry hands. |
| PPE - Respiratory Protection | Respiratory protection not required. For nuisance exposure use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). |

Section 9: Physical and Chemical Properties

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| Appearance | Form: Liquid Colour: Colourless |
| Upper/Lower Flammability or Explosive Limits | No data available |
| Odor | No data available |
| Vapor Pressure | 0.0000745 hPa (0.0000559 mmHg) at 25 °C (77 °F) |
| Odor Threshold | No data available |
| Vapor Density | No data available |
| pH | No data available |
| Relative Density | 0.853 g/cm3 |
| Melting Point/Freezing Point | Melting point/freezing point: 13.5 °C (56.3 °F) |
| Solubility | No data available |
| Initial Boiling Point and Boiling Range | 160 °C (320 °F) at 3 hPa (2 mmHg) |
| Flash Point | 113 °C (235 °F) - closed cup |
| Evaporation Rate | No data available |
| Flammability (Solid, Gas) | No data available |
| Partition Coefficient | No data available |
| Auto-Ignition Temperature | 235 °C (455 °F) |
| Decomposition Temperature | No data available |
| Viscosity | No data available |

Section 10: Stability and Reactivity

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| Reactivity | No data available |
| Chemical Stability | Stable under recommended storage conditions. |
| Possibility of Hazardous Reactions | No data available |
| Conditions to Avoid | No data available |
| Incompatible Materials | Strong oxidizing agents, Strong bases. |
| Hazardous Decomposition Products | Hazardous decomposition products formed under fire conditions- Carbon oxides. Other decomposition products-No data available. |

Section 11: Toxicological Information

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| Acute Toxicity - LD50 Oral | LD50 Oral - mouse - male and female - > 5,000 mg/kg (OECD Test Guideline 401) |
| Acute Toxicity - Inhalation | No data available |
| Acute Toxicity - Dermal | LD50 Dermal - rabbit - > 5,000 mg/kg |
| Acute Toxicity - Eye | Eyes-rabbit Result: No eye irritation-24h (OECD Test Guideline 405) |
| Skin Corrosion/Irritation | Skin-rabbit Results: No skin irritation-4 h (OECD Test Guideline 404) |
| Serious Eye Damage/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 at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| Carcinogenicity ACGIH | No component of this product present at levels greater than or equal 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| Carcinogenicity 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. |
| Carcinogenicity OSHA | No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen by OSHA. |
| Reproductive Toxicity | No data available |
| Specific Target Organ Toxicity - Single Exposure | No data available |
| Specific Target Organ Toxicity - Repeated Exposure | No data available |
| Aspiration Hazard | No data available |

Section 12: Ecological Information

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|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Toxicity | Toxicity to fish semi-static test LC50 - Danio rerio (zebra fish) - > 10,000 mg/l - 96 h (OECD Test Guideline 203) Toxicity to daphnia and other aquatic other aquatic static test EC50 - Daphnia magna (Water flea) - > 3,000 mg/l - 48 h |
| Persistence and Degradability | Biodegradability aerobic - Exposure time 28 d Result: 91.3 % - Readily biodegradable. (OECD Test Guideline 301B) |
| Bio-accumulative Potential | No data available |
| Mobility in Soil | No data available |
| Other Adverse Effects | No data available |

Section 13: Disposal Considerations

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| Waste Treatment Methods Product | Offer surplus and non-recyclable solutions to a licensed disposal company. |
| Waste Treatment Methods Packaging | Dispose of as unused product. |
| Special Precautions Landfill or Incinerations | No data available |
| Other Information | No data available |

Section 14: Transport Information

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| UN Number | Not dangerous goods. |
| UN Proper Shipping Name | N/A |
| Transport Hazard Class(es) | N/A |
| Packaging Group | N/A |
| Environmental Hazards | N/A |

Section 15: Regulatory Information

SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components: SARA 313: 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: No SARA Hazards. Massachusetts Right To Know Components: No components are subject to the Massachusetts Right To Know Act. Pennsylvania Right To Know Components: Isopropyl palmitate CAS-No. 142-91-6. New Jersey Right To Know Components: Isopropyl palmitate CAS-No. 142-91-6. 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

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| Prepared By | Lisa Russell |
| Revision Date | 05/20/2015 16:55 |

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