

MATERIAL SAFETY DATA SHEET

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| 1. IDENTIFICATION AND GENERAL INFORMATION | | |
| P/N#: | 1001, 1001-05 | <u>NFPA Code</u> |
| Nomenclature: | Personal Safety Equipment Cleaning Pads | H 1 |
| Company Name: | Allegro Industries | F 3 |
| Address: | 7221 Oranewood Avenue | R 0 |
| | Garden Grove, CA 92841 | O None |
| | 714-899-9855 | |
| | Chemtrac: 800-424-9300 | |
| 2. COMPOSITION | | |
| Product Name: | Hygienic Cleaning Fluid with Alcohol | |
| Chemical Family: | Alcohol | |
| Synonyms: | N/A | |
| Ingredient: | Iso-Propanol | Water |
| | OSHA PEL-TWA: 400 | |
| | ACGIH TLV-TWA: 400 | |
| CAS Number: | 67-63-0 | 7732-18-5 |
| Percent: | 70% | 30% |
| Notes: | PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration. TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists. | |
| 3. HAZARDS IDENTIFICATION | | |
| Physical Dangers: | Flammable liquid. Keep away from source of ignition. | |
| Chemical Dangers: | May form toxic materials; carbon dioxide and carbon monoxide, etc. | |
| Routes of Exposure: | Eyes, skin, ingestion, and inhalation. | |
| Target Organs: | N/A | |
| Health Hazards | | |
| Inhalation: | Not to be a hazard under normal operating conditions. | |
| Skin Contact: | May cause drying on the skin if used over a long period of exposure. | |
| Eye Contact: | May cause irritation. | |
| Ingestion: | Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. | |
| Chronic Exposure: | N/A | |
| Acute Exposure: | N/A | |
| Aggr. of Pre-Ex Cond: | N/A | |
| Notes: | N/A | |
| 4. FIRST AID MEASURES | | |
| Inhalation: | Immediately move person away from exposure and into fresh air. If respiratory symptoms or other symptoms of exposure develop, seek immediate medical attention. | |
| Skin Contact: | Remove contaminated clothing and cleanse affected areas thoroughly by washing with mild soap and water. If irritation persists, seek medical attention. | |
| Eye Contact: | If irritation, redness develops or direct contact, hold eye lids apart and flush with water for 15 minutes. Seek medical attention. | |
| Ingestion: | If swallowed, seek emergency medical attention. If person is drowsy or unconscious, place on left side with head down. Do not give anything by mouth. | |
| 5. FIRE FIGHTING MEASURES | | |
| Fire Hazards: | This fluid is a combustible product. It is a potential fire hazard when exposed to hot surfaces or to forms of ignition. | |
| Fire Extinguisher: | Extinguish with dry chemical, CO ₂ , or a universal type foam. | |
| Explosion: | N/A | |
| Flash Point: | 53 | |
| Volatile (% by volume): | 100% | |
| Exp. Limits (Vol % in air): | Upper Limit 12%, Lower Limit 2% | |
| Auto Ignition Temperature: | N/A | |
| Special Fire Fighting Proc: | Stop spill/release if it can be done without risk. Isopropanol burns with an invisible flame, care must be taken when fighting fires. Water may be used to keep fire exposed containers cool until fire is out. | |
| PPE for Fire Fighters | Wear appropriate protective equipment including respiratory protection as conditions warrant. | |
| Notes: | Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, sparks, heaters, electrical equipment static discharges or other ignition sources at locations distant from the product handling point. Never use welding or a cutting torch on or near a drum (even empty) because product (even just residue) can ignite explosively. All five gallon pails and larger metal containers should be grounded and/or bonded when material is transferred. | |
| 6. ACCIDENTAL RELEASE MEASURES | | |
| Procedure for Spill/Leak: | Contain the spill. Use an absorbent material to capture the solution. Shovel the absorbent and place into a sealed container. Clean area with a mild soap and water. | |
| Waste Disposal: | Dispose in accordance with all appropriate Federal, State, and Local Regulations. | |
| 7. HANDLING AND STORAGE | | |
| Storage: | Keep all containers tightly closed. Keep in cool dry area and away from all sources of ignition. | |
| Self Life: | N/A | |
| PPE: | N/A | |
| Notes: | N/A | |

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8. EXPOSURE CONTROLS

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| PPE: | None suggested. |
| Inhalation: | Whenever workplace conditions warrant a respirator's use, a respiratory protection program that meets OSHA 29 CFR/1910.134 and ANSI Z88.2 must be followed. |
| Skin: | Wear appropriate gloves to prevent skin exposure. |
| Eye: | Chemical safety goggles that meet OSHA eye and face protection regulations in 29 CFR/1910.133. |
| Ingestion: | None suggested. |
| Ventilation: | Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. |
| Engineering Controls: | Facilities storing or utilizing this material should be equipped with an eye wash station. |
| Work/Hygienic Practices: | Wash hands when handling product is completed. |
| Exposure Limits: | Permissible Exposure Level: 400 PPM Threshold Limit Value: 400 PPM |
| Notes: | N/A |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|--|-----------------------------------|
| Color/Appearance/Odor: | Clear liquid with a solvent odor. |
| Boiling Point | 82.2°C |
| Melting Point | N/A |
| Specific Gravity (H ₂ O=1): | 0.850 @ 68°F |
| Refractive Index: | N/A |
| Relative Density: | N/A |
| Evaporative Rate: | Basis (nBuOAC=1): >1 |
| Water Content: | 30% |
| Vapor Density(Air=1): | N/A |
| Vapor Pressure: | 20 mmHg @ 20°C |
| Solubility in Water: | 100% |

10. STABILITY AND REACTIVITY

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| Stability: | The material may be sensitive to peroxide formation. |
| Conditions to avoid: | Ignition sources. |
| Materials to avoid: | Oxidizing agents, acetaldehyde, chlorine, ethylene oxide, acids, and isocyanates. |
| Hazardous Decomposition or By-Products: | Carbon monoxide, carbon dioxide |
| Hazardous Polymeration: | Has not been reported. |

11. TOXICOLOGICAL INFORMATION

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| Health effects: | N/A |
| Oral LD50: | N/A |
| Dermal LD50: | N/A |
| Human Lethal Dose: | N/A |
| Notes: | Isopropanol-IARC: Group 3 carcinogen |

12. ECOLOGICAL INFORMATION

It is readily biodegradable and is not expected to have any adverse environmental impact.

13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, county, and local regulations.

14. TRANSPORT INFORMATION

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|---------------------------|-----|
| Proper shipping name: | N/A |
| Transport Emergency Card: | N/A |
| Packing Group: | N/A |
| UN Number: | N/A |
| Reportable Quantity | N/A |
| Notes: | N/A |

15. REGULATORY INFORMATION

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| TSCA Registered: | N/A |
| FDA Approved: | N/A |
| ICSC: | N/A |

16. OTHER INFORMATION

None.

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