

SAFETY DATA SHEET

Section 1: Identification

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| Product Name: | ProExpose™ Protein Detection Test and Kits |
| Product Reorder No. | 26923300, 26923400, 26923500, 26923600, 26933400, 26933500, 26933600, 26923311, 26923411 |
| Purpose/Use: | Detection of residual proteins |
| Contact Info: | Propper Manufacturing Co. 36-04 Skillman Avenue Long Island City, NY 11101 (718) 392-6650 (Regular and Emergency Number) |

Section 2: Hazard Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute Oral toxicity (Category 3)
 Skin Corrosion/ Irritation (Category 2)
 Eye Damage/ Irritation (Category 1)
 Specific target organ toxicity- single exposure (Category 1)

GHS Label elements



Hazard Pictogram:

Signal Word: Danger

Hazard Statement(s):

H315 Causes skin irritation
 H318 Causes serious eye damage
 H370 Causes damage to organs (eyes)

Precautionary Statement(s):

P234 Keep only in original container
 P260 Do not breathe dust/fume/gas/mist/vapors/spray
 P264 Wash skin thoroughly after handling
 P270 Do not eat, drink or smoke when using this product
 P302+P352 IF ON SKIN: Wash with plenty of soap and water
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or physician
 P332+P313 If skin irritation occurs: Get medical attention

Section 3: Composition and Information on Ingredients

| Ingredients | Approximate Concentration | CAS | Notes |
|---------------|---------------------------|---------|----------------|
| Ethyl alcohol | 2 - 5 % | 64-17-5 | See Section 16 |

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| Phosphoric acid | 5 - 9 % | 7664-38-2 | See Section 16 |
| Section 4: First Aid Measures | | | |
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. | | |
| Skin Contact | May cause irritation. Wash off with soap and plenty of water | | |
| Inhalation | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. | | |
| Ingestion | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. | | |
| Section 5: Fire Fighting Measures | | | |
| Classification | N/A | | |
| Flash Point | N/A | | |
| Extinguishing Media | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. | | |
| Special Fire Fighting Procedures | Use a self-contained breathing apparatus to avoid fumes. | | |
| Special Fire and Explosion Hazards | N/A | | |
| Section 6: Accidental Release Measures | | | |
| Spill, Leak, and Disposal Procedures | Absorb spills with liquid-binding material. Do not allow large spills to reach sewer system. | | |
| Section 7: Handling and Storage | | | |
| Handling Procedures | Do not ingest. Do not use after expiration date. Avoid eye contact. Product must be kept upright to prevent leakage. | | |
| Storage Procedures | Keep in cool, dry place in original packaging. Recommended storage temperature 2 – 8°C. | | |
| Section 8: Exposure Control/Personal Protection | | | |
| Exposure Limits | Phosphoric Acid: US OSHA-PEL: TWA:1mg/m ³ ACGIH-TLV: STEL:3mg/m ³ TWA:1mg/m ³ NIOSH-IDLH: IDLH:1000mg/m ³ TWA:1mg/m ³ STEL:3mg/m ³ Ethanol: US OSHA-PEL: TWA: 1000ppm TWA: 1900mg/m ³ ACGIH-TLV: TWA: 1000ppm STEL: 1000ppm NIOSH-IDLH: TWA:1000ppm TWA: 1900mg/m ³ | | |
| Engineering Controls | None under normal use. | | |
| Respiratory Protection | None under normal use. | | |
| Eye Protection | Avoid contact with eyes. Use safety glasses with side-shields | | |
| Skin Protection | Handle with gloves. | | |

Section 9: Physical and Chemical Properties

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| Physical State | Liquid |
| Appearance | Brown/grey-brown liquid in plastic vial container |
| Odor | Alcohol |
| Vapor Pressure | No data available |
| pH | Acidic, <2 |
| Relative Density | No data available |
| Melting/Freezing Point | No data available |
| Solubility in Water | Soluble |
| Boiling Point/Range | No data available |
| Flash Point | Estimated flash point: 144°F (62°C) |
| Evaporation Rate | No data available |
| Flammability | Flammable |
| Partition Coefficient: n-octanol/water | No data available |
| Decomposition Temperature | No data available |
| Viscosity | No data available |
| Explosive Limit | No data available |

Section 10: Stability and Reactivity

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| Stability | Stable under normal handling conditions |
| Incompatibility | Metals, Bases, Oxidizers, Reducing Agents and Halogens. |
| Hazardous Polymerization | Will not occur. |
| Combustion and Decomposition Products | Oxides of carbon, nitrogen, phosphorous or phosphine |

Section 11: Toxicological Information

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| Effects of Exposure | <p>Acute toxicity: no data available</p> <p>Skin corrosion/irritation: Causes skin irritation</p> <p>Serious eye damage/eye irritation: Causes serious eye damage</p> <p>Respiratory or skin sensitization: no data available</p> <p>Germ cell mutagenicity: no sufficient data for classification</p> <p>Carcinogenicity: Not designated by NTP, IARC, or OSHA as a probable human carcinogen</p> <p>Reproductive toxicity: no sufficient data for classification</p> <p>Specific target organ toxicity - single exposure (GHS): no data available</p> <p>Specific target organ toxicity - repeated exposure (GHS): no data available</p> <p>Aspiration hazard: no data available.</p> <p>Potential health effects</p> <p>Inhalation: Not a source of exposure. Solid material.</p> <p>Ingestion: May be harmful if swallowed.</p> <p>Skin: May cause irritation in case of skin contact. Use gloves if necessary.</p> <p>Eyes: May cause serious eye damage.</p> |
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Section 12: Ecological Information

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| Ecotoxicity | No data available. |
| Biodegradability | No data available. |

Section 13: Disposal Considerations

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| Waste Disposal | Observe all federal, state, and local environmental regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Hand over to hazardous waste disposers. |
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Section 14: Transport Information

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| US DOT | Not regulated for transport |
| IMDG | Not regulated for transport |
| IATA | Not regulated for transport |

Section 15: Regulatory Information

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| US Federal and State Regulations | <p>Sara 302: Not subject. Sara 313: Not subject. Sara 311/312: Not subject</p> <p>Massachusetts Right to Know Component: Phosphoric acid: CAS 7664-38-2 Ethanol: CAS 64-17-5</p> <p>Pennsylvania Right to Know Component: Phosphoric acid: CAS 7664-38-2 Ethanol: CAS 64-17-5</p> <p>New Jersey Right to Know Component: Phosphoric acid: CAS 7664-38-2 Ethanol: CAS 64-17-5</p> <p>California Prop. 65: Not applicable</p> |
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Section 16: Other Information

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

- NFPA Rating: Health hazard: 3, Fire Hazard: 1, Reactivity Hazard: 1

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