

SAFETY DATA SHEETS

This SDS packet was issued with item:

071380039

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

071380013 071380021 071380047



SAFETY DATA SHEET

SECTION 1 - Identification

Common Name: ZaPro™ Hand Sanitizer

Manufacturer: Guangdong Mingliu Technology Dail-Use Chemical Co., Ltd.
Gongqiao Industry Zone, Xianshan
Chaonan, Shantou, China
P.C: 515144

Distributor: CAO Group, Inc.
4628 West Skyhawk Drive
West Jordan, UT 84084-4501 U.S.A.
Phone 877.236.4408 (M-F 8-5, GMT-7)
Email: info@caogroup.com

Recommended Use: Water-free hand-rub germicide

Restrictions on Use: For external use only.

Chemical Name: Mixture

Chemical Family: Not applicable

Chemical Formula: Mixture

CAS#: Mixture

TSCA 8(b): Mixture

SECTION 2 - Hazards Identification

Physical Hazard: Flammable liquid: Category 2



DANGER: Highly flammable liquid and vapor.

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| Health Hazard: | Mild Eye Irritation: Category 2B |
| Environment Hazard: | Not Available |
| Potential Acute Health Effects: | Irritation or burning sensation may be experienced to skin, eyes, and mucosal tissue. Redness may be evident. |
| Hazard Statements: | H225 - Highly flammable liquid and vapor. H320 - Causes eye irritation. |
| Precautionary Statements: | P210 - Keep away from heat, sparks, and open flame. No smoking. P233 - Keep container tightly closed. P241 - Use only in well ventilated area. P280 - Wear protective gloves and eye glasses while handling this material. P303+P305+P313+P337+P353 - IF ON SKIN OR IN EYES: Rinse with copious amounts of water for 15 minutes. Seek medical attention if irritation persists. P370+P378 - In case of fire, use water or water spray or Class A extinguisher. P403+P235 - Store in well ventilated place. Keep cool. P501 - Dispose of contents/container to an approved waste disposal facility. |

| | | | |
|------|--------|--------------|----------|
| HMIS | Health | Flammability | Physical |
| | 2 | 3 | 0 |

SECTION 3 - Composition and Information on Ingredients

| Component Name | CAS# | wt% | Common Names/ Synonyms |
|-----------------|------------|-------------|--------------------------------------|
| Ethanol | 64-17-5 | >90 | Ethyl Alcohol |
| Zinc pyrithione | 13463-41-7 | 0.02 - 0.06 | 1-Hydroxypyridine-2-thione zinc salt |

SECTION 4 - First Aid Measures

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| Eye Contact: | Flush with plenty of water for 15 minutes. Contact a physician. |
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| Skin Contact: | Flush with plenty of water for 15 minutes. Contact a physician if redness or irritation persists for more than 30 minutes. |
| Inhalation: | Remove to fresh ventilation immediately. If not breathing, give artificial breathing. Seek medical help immediately. |
| Ingestion: | Avoid patient swallowing. Do not induce vomiting. |

SECTION 5 - Fire and Explosion

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|--|---|
| Flammability: | Flammable |
| Special Protective Equipment for Firefighting: | Self-contained breathing apparatus. Protective clothing. |
| Products of Combustion: | Carbon monoxide, carbon dioxide, nitrogen oxides, oxygen. |
| Hazards in Presence of Various Substances: | Not Available. |
| Fire Fighting Media and Instructions: | Water spray or Class A extinguisher. |

SECTION 6 - Accidental Release Measures

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| Personal Precautions: | Wear protective gloves and protective eyewear. Wear a protective apron or smock. |
| Environmental Precautions: | If safe to do so, establish containment to prevent material from entering drains. |
| Small Spill: | Wipe up excess with wet cloth. Use wet cloth or mop to remove residual material. |
| Large Spill: | Create a perimeter - do not let the material enter drains or sewage systems. Contact local officials for collection and removal of the material. |

SECTION 7 - Handling and Storage

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| Precautions: | Do not expose the materials to excessive temperatures. Avoid contacting the material with skin or clothes. |
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Storage: Keep refrigerated. Do not store above 80°F (27°C) for extended periods. Do not store below 32°F (0°C).

SECTION 8 - Exposure Controls / Personal Protection

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| Engineering Controls: | Ensure adequate ventilation in the working area. |
| General Hygiene Measures: | Avoid excessive contacting of the material with non-indicated skin surfaces. Avoid contact with eyes. Avoid ingesting. |
| Respiratory Protection: | Not Applicable |
| Hand Protection: | None when used according to directions. |
| Eye Protection: | Protective glasses recommended. |
| Skin/Body Protection: | None when used according to directions. |

SECTION 9 - Physical and Chemical Properties

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|-------------------|----------------|------------------------|---------------|
| Physical State: | Viscous liquid | Color: | Clear |
| Molecular Weight: | Mixture | Vapor Pressure: | Not Available |
| pH: | Not Applicable | Vapor Density: | Not Available |
| Boiling Point: | Not Available | Solubility: | Soluble |
| Melting Point: | Not Available | Dispersion Properties: | Not Available |
| Flash Point: | Not Available | Odor: | Alcohol |
| Specific Gravity: | <1 | Odor Threshold: | Not Available |
| Ionicity: | Not Available | Taste: | Alcohol |

SECTION 10 - Stability and Reactivity

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| Stability: | Stable. |
| Instability Temperature: | Not Available |
| Conditions to Avoid: | Excess heat. Open flame or spark source. |
| Materials to Avoid: | Not Available. |

Other Comments: Material may polymerize.

SECTION 11 - Toxicological Information

Acute Toxicity: LD50 >7000 mg/kg (oral/rat, as ethanol)

Skin Corrosion/Irritation: Mild irritation to exposed skin.

Eye Damage/Irritation: Mild irritaiton to eyes.

Respiratory Risk/
Sensitization: Not Available

Mutagenicity: Not Available

Carcinogenicity: Not Available

Reproductive Toxicity: Not Available

Organ-Specific Hazard: Not Available

SECTION 12 - Ecological Information

Ecotoxicity: Not Available

Products of
Biodegradation: Not Available

Toxicity of the Products of
Biodegradation: Not Available

Special Remarks
on the Products of
Biodegradation: Not Available

SECTION 13 - Disposal Considerations

Waste Disposal: Waste must be disposed of in accordance with national, regional, and municipal regulations.

SECTION 14 - Transport Information

Identification: Flammable Liquid

UN Number: UN1170

UN Shipping Name: Ethanol

DOT Classification: Class 3: PG II

IMDG Classification: Class 3: PG II

IATA Classification: Class 3: PG II

SECTION 15 - Other Regulatory Information and Pictograms

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| U.S. Federal and State Regulations: | Massachusetts RTK: Ethanol New Jersey RTK: Ethanol Pennsylvania RTK: Ethanol, Pyrethione zinc |
| California Prop 65 Warnings: | Not Available |
| Other Regulations: | SARA 313: Pyrethione zinc |
| Other Classifications: | Not Available |

SECTION 16 - Other Information

This document is not intended to be all-inclusive. There may be situations or conditions where the use or combination of this product with other materials may result in a hazardous situation. This document applies only to the chemical as packaged. Whereas, there may be unknown conditions or risks, it is the responsibility of the user to exercise appropriate safety measures when handling this material, making use of this information as a guide only in practicing appropriate precautions. This information is believed to be correct, but the CAO Group makes no guarantee as to the accuracy and thoroughness of this information.

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| Changes Since Last Revision: | Minor corrections to text and spelling. |
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| Prepared/Updated By: | Rob Larsen |
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Patent Pending

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