

GLENDO LLC

SAFETY DATA SHEET

1. PRODUCT & COMPANY INFORMATION

1.1 PRODUCT IDENTIFIER(S)

Product Name: Chinese White

Stock Number: 002-708

1.2 COMPANY INFORMATION

Distributor's Name: Glendo LLC

Address: 900 Overlander Road, Emporia, KS 66801

Phone: (620) 343-1084

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Application: Fine Art Painting

Uses advised against: No specific uses advised against are identified.

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Physical hazards: Not Classified

Health hazards: Not Classified

Environmental hazards: Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

LABEL ELEMENTS

HAZARD PICTOGRAMS



SIGNAL WORD: Warning

HAZARD STATEMENTS

H410 Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with national regulations.

OTHER HAZARDS

This product does not contain any substances classified as PBT or vPvB.

3. COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURES

CHEMICAL NAME	CAS #	AMOUNT	CLASSIFICATION
Zinc Oxide	CAS number: 1314-13-2 M factor (Acute) = 1 M factor (Chronic) = 1	10-30%	Not Classified
Pyrrithione Zinc	CAS number: 13463-41-7 M factor (Acute)= 10 M factor (Chronic) = 1	<1%	Acute Tox. 3 - H301 Acute Tox. 3 - H331 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

For the full text of the Hazard Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General information: If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

Inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Ingestion: Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

Skin contact: Rinse with water.

Eye contact: Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders: First aid personnel should wear appropriate protective equipment during any rescue.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation: No specific symptoms known.

Ingestion: No specific symptoms known.

Skin contact: No specific symptoms known.

Eye contact: No specific symptoms known. May be slightly irritating to eyes.

Notes for the doctor: Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media: The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Specific hazards: Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products: Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

5. FIREFIGHTING MEASURES (continued)

5.3 ADVICE FOR FIREFIGHTERS

Protective actions during firefighting: Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect those stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Personal precautions: Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk.

6.2 ENVIRONMENTAL PRECAUTIONS

Environmental precautions: Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Methods for cleaning up: Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. The contaminated absorbent may pose the same hazard as the spilled material. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

6.4 REFERENCE TO OTHER SECTIONS

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Usage precautions: Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container lightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene: Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage precautions: Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep only in the original container. Keep container lightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class: Miscellaneous hazardous material storage.

7.3 SPECIFIC END USE(S)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION / CONTROL PARAMETERS

8.1 CONTROL PARAMETERS

Occupational exposure limits

ZINC OXIDE

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³ respirable fraction

Short-term exposure limit (15-minute): ACGIH 10 mg/m³ respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ fume

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

Ingredient comments: No exposure limits known for ingredient(s).

8.2 EXPOSURE CONTROLS

Appropriate engineering controls: Provide adequate ventilation.

Eye/face protection: Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection: No specific hand protection recommended. Avoid contact with skin.

Other skin and body protection: Use barrier creams to prevent skin contact.

Hygiene Measures: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Respiratory protection: No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

Environmental exposure controls: Keep container tightly sealed when not in use. Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Liquid

Color: White

Odor: Characteristic

pH: pH (concentrated solution): 6-8

Initial boiling point and boiling: >100°C @ 760 mm Hg

Flash point: Not applicable

Relative density: 1.5-2.5 @ 20°C

Solubility: Miscible with water

9.2 OTHER SAFETY INFORMATION

Not determined.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

There are no known reactivity hazards associated with this product.

10.2 CHEMICAL STABILITY

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10. STABILITY AND REACTIVITY (continued)

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No potentially hazardous reactions known.

10.4 CONDITIONS TO AVOID

There are no known conditions that are likely to result in a hazardous situation.

10.5 INCOMPATIBLE MATERIALS

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity - oral: Notes (oral LD50) Based on available data the classification criteria are not met.

Acute toxicity - dermal: Notes (dermal LD50) Based on available data the classification criteria are not met.

Acute toxicity - inhalation: Notes (inhalation LD50) Based on available data the classification criteria are not met.

Skin corrosion/irritation: (Animal Data) Based on available data the classification criteria are not met.

Serious eye damage / eye irritation: Based on available data the classification criteria are not met.

Respiratory sensitization: Based on available data the classification criteria are not met.

Skin sensitization: Based on available data the classification criteria are not met.

Germ cell mutagenicity: (Genotoxicity - in vitro) Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

IARC (International Agency for Research on Cancer) carcinogenicity: None of the ingredients are listed or exempt.

Reproductive toxicity - fertility: Based on available data the classification criteria are not met.

Reproductive toxicity - development: Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure: (STOT - single exposure) Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure: (STOT - repeated exposure) Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard: Based on available data the classification criteria are not met.

General Information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation: No specific symptoms known.

Ingestion: No specific symptoms known.

Skin Contact: No specific symptoms known.

Eye contact: No specific symptoms known.

Route of entry: Ingestion, Inhalation, Skin, and/or eye contact

Target Organs: No specific target organs known.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.

12.1 Toxicity

Toxicity: Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.

12. ECOLOGICAL INFORMATION (continued)

Acute toxicity - fish: Not determined.

Acute toxicity - aquatic invertebrates: Not determined.

Acute toxicity - aquatic plants: Not determined.

Acute toxicity - microorganisms: Not determined.

12.2 PERSISTENCE AND DEGRADABILITY

The degradability of the product is not known.

12.3 BIOACCUMULATIVE POTENTIAL

No data available on bioaccumulation.

12.4 MOBILITY IN SOIL

No data available.

12.6 OTHER ADVERSE EFFECTS

None known.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

General information: The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

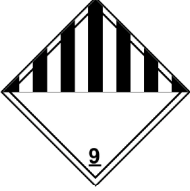
Disposal methods: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Waste class: 08 01 11 • - waste paint and varnish containing organic solvents or other dangerous substance

14. TRANSPORT INFORMATION

General: For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

Sea transport notes: Do not release into the environment

	DOT (US)	IMDG	ICAO
UN No.	3082	3082	3082
UN proper shipping name	Environmentally hazardous substance, liquid, N.O.S. (Zinc oxide)	Environmentally hazardous substance, liquid, N.O.S. (Zinc oxide)	3 Environmentally hazardous substance, liquid, N.O.S. (Zinc oxide)
Transport hazard class(es) Transport labels		9	9
			
Packing group	3	3	3

Environmental hazards: Environmentally Hazardous Substance

14. TRANSPORT INFORMATION (continued)

LIT-SDS-012



Special precautions for user: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

REGULATORY STATUS

This product has been evaluated by a toxicologist and labelled for acute and chronic health hazards in accordance with the Labelling of Hazardous Art Materials Regulation and Federal Regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act. This product conforms to ASTM D-4236 Standard Practice for Labelling Art Materials for Chronic Adverse health effects.

This product has been certified by ACMI (Artists Craft Material Institute, Inc.) to carry the AP (Approved Product) Seal, meaning this product bears no chronic or acute human health hazards.

US FEDERAL REGULATIONS

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities: None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA): None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities: None of the ingredients are listed or exempt.

SARA 313 Emission Reporting: The following ingredients are listed or exempt: **ZINC OXIDE** 1.0%

CAA Accidental Release Prevention: None of the ingredients are listed or exempt.

FDA - Essential Chemical: None of the ingredients are listed or exempt.

FDA - Precursor Chemical: None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories: None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals: None of the ingredients are listed or exempt.

US STATE REGULATIONS

California Proposition 65 Carcinogens and Reproductive Toxins: None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots"(A -1): The following ingredients are listed or exempt: **ZINC OXIDE** - Present.

California Air Toxics "Hot Spots"(A -11): None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances: The following ingredients are listed or exempt: **ZINC OXIDE** - Present.

Massachusetts "Right to Know" List: The following ingredients are listed or exempt: **ZINC OXIDE** - Present.

Rhode Island "Right to Know" List: The following ingredients are listed or exempt: **ZINC OXIDE** - Present.

Minnesota "Right to Know" List: The following ingredients are listed or exempt: **ZINC OXIDE** - Present.

New Jersey "Right to Know" List: The following ingredients are listed or exempt: **ZINC OXIDE** - Present.

Pennsylvania "Right to Know" List: The following ingredients are listed or exempt: **ZINC OXIDE** - Present.

INVENTORIES

US-TSCA: The following ingredients are listed or exempt: **ZINC OXIDE** - Present.

US - TSCA 12(b) Export Notification: None of the ingredients are listed or exempt.

16. OTHER INFORMATION

TRAINING ADVICE: Read and follow manufacturer's recommendations.

HAZARD STATEMENTS IN FULL:

H301 Toxic if swallowed.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

FURTHER INFORMATION

User is granted the ability to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. GLENDO, LLC. shall not be held liable for any damage resulting from handling or from contact with the above product.

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