

# SAFETY DATA SHEET

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Product Code: RETQ-LW

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## 1. Product and Company Identification

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**Product Name:** Retique It - Liquid Wood

**Product Code :** RETQ-LW

**Recommended Use:**

For General Use. To be used following Manufacturer's Instructions.

**Company Identification:**

Renaissance Innovations, LLC

3000 Bearcat Way, Ste 101

Morrisville, NC 27560

M-F 8AM-5PM Phone: 774-901-4642

Information Phone: 774-901-4642

## 2. Hazards Identification

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**GHS Classification and Hazard Statements:**

ACUTE TOXICITY, ORAL-Category 4-H302 Harmful if swallowed.

CARCINOGENICITY-Category 2-H351 Suspected of causing cancer.

EYE IRRITATION-Category 2A-H319 Causes serious eye irritation.

SKIN IRRITATION-Category 2-H315 Causes skin irritation.

SPECIFIC TARGET ORGAN TOXICITY(SINGLE EXPOSURE)-Category 3-H336 May cause drowsiness or dizziness.

Not a hazardous substance or mixture.

**GHS Precautionary Statements**

Avoid ingestion, inhalation, skin and eye contact.

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

If swallowed: Call a POISON CENTER or doctor/physician if you feel unwell.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a poison center or doctor if you feel unwell.

Rinse mouth.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store in well-ventilated place. Keep container tightly closed.

Dispose of contents in accordance with local, regional, national and international regulations.

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## GHS Label Symbol(s)

GHS 07 - EXCLAMATION MARK

GHS 08 - HEALTH HAZARD

## Signal word

WARNING

## Emergency Overview:

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes, skin and clothing. Harmful if swallowed. Use only with adequate ventilation.

## 3. Composition/Information on Ingredients

COMPONENT	CAS #	VAPOR PRESSURE		WEIGHT PERCENT
		mm Hg	@ TEMP	
CALCIUM METASILICATE OSHA PEL-TWA 15 mg/m3 respirable dust ACGIH TLV-TWA 1 mg/m3 inhalable particulate matter	13983-17-0	N/A	N/A	10
WOOD DUST,SOFTWOOD OR HARDWOOD, LOGS,WOOD CHIPS NONE ESTABLISHED	NONE	N/A	N/A	7
PROPYLENE GLYCOL ACGIH 10mg/m3	57-55-6	1	20C	3
TITANIUM DIOXIDE ACGIH TLV-TWA 10mg/m3 8 hours OSHA PEL-TWA 15 mg/m3 8 hours	13463-67-7	N/A	N/A	2.6
* 2-BUTOXYETHANOL ACGIH TWA 20 ppm OSHA PEL TWA 240 mg/m3 OSHA PEL TWA 50 ppm	111-76-2	.89	25C	1.7
2-PROPANOL,1-(2-BUTOXY-1-METHYLETHOXY)- NONE ESTABLISHED	29911-28-2	.04	20C	2
HYDROUS MAGNESIUM SILICATE NIOSH - TWA 2 mg/m3 ACGIH - TWA 2 mg/m3	14807-96-6	N/A	N/A	.3

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

## 4. First Aid Measures

### Eyes:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

### Skin:

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

### Ingestion:

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if

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any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious; give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. DO NOT INDUCE VOMITING. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### **Inhalation:**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.

#### **Note to Physicians:**

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## **5. Fire Fighting Measures**

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#### **Explosive Limits:**

Lower explosive limit: N/A

Upper explosive limit: N/A

#### **Hazardous Combustion Products:**

N/A

## **6. Accidental Release Measures**

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#### **Small Spill:**

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### **Large Spill:**

FOR NON-EMERGENCY PERSONNEL: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. FOR EMERGENCY RESPONDERS: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in

#### **Environmental Precautions:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### **Methods/Materials for Containment and Cleaning Up:**

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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## 7. Handling and Storage

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### Handling:

PRECAUTIONS FOR SAFE HANDLING: Protective measures. Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Use only with adequate ventilation.

### Storage:

CONDITIONS FOR SAFE STORAGE: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure Controls/Personal Protection

See Section 3 for Ingredient Occupational Exposure Limits

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### Engineering Controls:

Use only with adequate ventilation. Use process enclosures, local ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of a work day.

### Personal Protective Equipment

#### Respiratory Protection:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

#### Skin Protection:

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and

the risks involved and should be approved by a specialist before handling this product.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### Eye Protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible safety glasses with side-shields should be worn, unless the assessment indicates a higher degree of protection.

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## 9. Physical and Chemical Properties

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Boiling Point: 340F

Freezing Point/Melting Point: N/A

Flash Method: N/A

Flash Point: N/A

Vapor Pressure: (See Section 3 of this SDS)

Vapor Density: Heavier than air

Solubility in Water: Soluble

Evaporation Rate: N/A

Flammability (solid, gas): Not flammable.

Specific Gravity: 1.1742

Odor: Characteristic

Odor Threshold: Not available.

Appearance: Brown liquid

Viscosity: 25-30" #2 ZAHN

Partition Coefficient: Not available.

Autoignition Temperature: N/A

Decomposition Temperature: N/A

## 10. Stability and Reactivity

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**Chemical Stability (Conditions to Avoid):**

This product is stable under normal conditions of storage and use. Avoid contact with incompatible materials.

**Incompatibility:**

Strong acids.

Strong oxidizing agents.

Strong bases.

Reducing agents.

Oxygen.

Chloroformates

**Hazardous Decomposition Products:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous

**Polymerization:**

Under normal conditions of storage and use, hazardous polymerization will not occur.

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## 11. Toxicological Information

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### Eye:

Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.

Adverse symptoms may include the following: irritation and redness.

Causes serious eye irritation.

### Skin:

Causes slight skin irritation.

Irritating to skin.

### Ingestion:

This material may irritate the mucous membranes of the mouth, throat, and esophagus. Aspiration of this material into the lungs may result in damage or death.

### Inhalation:

Harmful if inhaled.

Exposure to airborne concentrations above the statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.

Adverse symptoms may include the following: respiratory tract irritation, coughing.

### Subchronic:

No known significant effects or critical hazards.

### Chronic/Carcinogenicity:

CAS#14807-96-6 Chemical name: Hydrous magnesium silicate

Carcinogenicity - Rat - Inhalation

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration: Tumors.

### International Agency for Research on Cancer (IARC)

CAS#13463-67-7 Chemical name: titanium dioxide

Group 2B: There is sufficient evidence in experimental animals for carcinogenicity of titanium dioxide. IARCs overall evaluation was that "titanium dioxide is possibly carcinogenic to humans."

CAS#14807-96-6 Chemical name: Hydrous magnesium silicate

Group 3: Not classifiable as to its carcinogenicity to humans.

### National Toxicology Program (NTP)

No known significant effects or critical hazards.

### Occupational Safety and Health Administration (OSHA)

No known significant effects or critical hazards.

### Teratology:

No known significant effects or critical hazards.

### Reproduction:

No known significant effects or critical hazards.

### Mutagenicity:

CAS#13463-67-7 Chemical name: Titanium dioxide

Experiment: In vitro

Subject: Mammalian-Animal

Metabolic activation: +/-

Result: negative

Experiment: In vitro

Subject: Mammalian-Animal

Metabolic activation: +/-

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Result: negative

Experiment: In vivo

Subject: Mammalian-Animal

Result: negative

## Acute Toxicity Values:

The acute effects of this product have not been tested.

Data on individual components are tabulated below:

CAS#13463-67-7 Chemical name: Titanium dioxide

Oral LD50: rat: >10000 mg/kg

Inhalation LC50: rat: >6.82 mg/l

CAS#57-55-6 Chemical name: Propylene Glycol

Oral LD50: rat: 20,000 mg/kg

Inhalation LC50: rat: no established data

Dermal LD50: rabbit: 28,000 mg/kg

## STOT-single exposure:

CAS#111-76-2 Chemical name: 2-Butoxyethanol

May cause drowsiness or dizziness.

## STOT-repeated exposure:

No known significant effects or critical hazards.

## Routes of Exposure:

No specific data.

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## 12. Ecological Information

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### Environmental Fate:

Not available

### Environmental Toxicity:

Not available

### Chemical Fate Information:

Not available

### Other Adverse Effects:

Not available

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## 13. Disposal Considerations

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### Waste Disposal Method:

The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

### Contaminated Materials:

Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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## 14. Transport Information

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Domestic (Land, DOT)

UN Number: N/A

UN Proper Shipping Name: Non regulated

Transport Hazard Class: N/A

Packing Group: N/A

Special Precautions for User:

All packaging must be reviewed for suitability prior to shipment, and compliance with applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

DOT information on packaging may be different from that listed.

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## 15. Regulatory Information

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U.S. Federal Regulations

CAS#57-55-6 Chemical name: Propylene glycol

Listed TSCA inventory list.

Comprehensive Environmental Response, Compensation & Liability Act (CERCLA)

The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4.

CAS#111-76-2 Chemical name: 2-Butoxyethanol

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Acute Health Hazard

Chronic Health Hazard

CAS#14807-96-6 Chemical name: Manganese dioxide

SARA 312/312 Hazard Classification

Chronic health hazard

CAS#57-55-6 Chemical name: Propylene glycol

SARA 311/312 Hazard Classification

Immediate (Acute) health hazard

SARA Section 313: (See Section 3 of this SDS)

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

CAS#111-76-2 Chemical name: 2-Butoxyethanol is subject to reporting requirements of SARA 313.

International Regulations

Canadian WHMIS:

CAS#13463-67-7 Chemical name: Titanium dioxide

Class D-2A: Material causing other toxic effects (Very toxic). This decision by IARC leads directly to labelling with a D2A classification in Canada under their W.H.M.I.S scheme. Such labelling is not required in other countries.

Canadian Environmental Protection Act (CEPA):

No known significant effects or critical hazards.

European Inventory of Existing Commercial Chemical Substances (EINECS):

No known significant effects or critical hazards.

State Regulations:

CAS#13463-67-7 Chemical name: Titanium dioxide is listed on the following states Right-to-Know inventories:

Pennsylvania.

California Prop 65

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WARNING: This product contains a chemical known to the State of California to cause cancer.

CAS#14807-96-6 Chemical name: Hydrous magnesium silicate is listed on the following states Right-to-Know inventories:  
Massachusetts, Pennsylvania, New Jersey.

California Prop. 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

CAS#111-76-2 Chemical name: 2-Butoxyethanol

Listed on the following states Right to Know inventories:

New Jersey, Pennsylvania

CAS#29911-28-2 Chemical name: 2-Propanol,1-(2-butoxy-1-methylethoxy)-

Listed on the following states Right to Know inventories:

New Jersey, Pennsylvania.

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## 16. Other Information

HMIS CODES: H F R P

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Volatile Organic Compounds (Less Water and Exempt Solvents,calc): 1.9 lb/gl

### Abbreviation Key

MFR = Manufacturer Recommended Exposure Limit

PEL = Permissible Exposure Limit

STEL= Short Term Exposure Limit

C = Ceiling: Allowable Exposure Level Should Not Be Exceeded For Any Time Period

SKIN= Skin Absorption Must Be Considered As A Route Of Exposure

TWA = Time Weighted Average

IDLH = Immediately Dangerous to Life or Health

PPM = Parts Per Million

WEEL = Workplace Environmental Exposure Levels

### Manufacturer Disclaimer:

The information contained herein is based on data considered to be accurate. While the information is believed to be reliable, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Since the use of this information and the conditions and the use of this product are controlled by the user, it is the user's obligation to determine the conditions of safe use of the product.

\*\*\*\*\*END OF SDS\*\*\*\*\*