

## **SAFETY DATA SHEET**

### SECTION 1: IDENTIFICATION

Product identifier used on the label:

Product Name: LIFELINE Acrylic Satin

Other means of identification:

Synonyms: Interior Acrylic Clear Satin Topcoat

Recommended use of the chemical and restrictions on use:

Chemical manufacturer address and telephone number:

Manufacturer Name: Perma-Chink Systems, Inc.

Address: 1605 Prosser Road Knoxville, TN 37914

USA

Website: www.permachink.com
General Phone Number: 800-548-3554
General Fax Number: 865-523-9475

Customer Service Phone Number: 865-524-7343

Emergency phone number:

Emergency Phone Number: CHEMTREC 1-800-424-9300

### SECTION 2: HAZARD(S) IDENTIFICATION

 $\underline{\hbox{Classification of the chemical in accordance with CFR 1910.1200(d)(f):}\\$ 

Signal Word: Not applicable.

GHS Class: Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200..

Hazard Statements: Not applicable.

Precautionary Statements: Not applicable.

Hazards not otherwise classified that have been identified during the classification process:

Potential Health Effects:

Eye: Causes eye irritation.

Skin: Causes skin irritation.

Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.

Ingestion: May be harmful if swallowed. May cause vomiting.

Chronic Health Effects: Prolonged or repeated contact may cause skin irritation.

Signs/Symptoms: Overexposure may cause headaches and dizziness.

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

Aggravation of Pre-Existing None generally recognized.

Conditions:

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

 Chemical Name
 CAS#
 Ingredient Percent
 EC Num.

 Proprietary Polymer
 20 - 30 by weight

 Non-hazardous
 65 - 75 by weight

 Ethylene glycol
 107-21-1
 0.5 - 2 by weight
 203-473-3

LIFELINE Acrylic Satin Penna-Chink Systems, Inc.

Page 1 of 5

Revision: 9/30/2022

Diethylene glycol monobutyl ether	112-34-5	0.5 - 2 by weight	206-961-6
Amorphous silicon dioxide, chemically prepared	7631-86-9	1 - 4 by weight	262-373-8
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	29911-28-2	1 - 4 by weight	249-951-5
Propylene glycol	57-55-6	1 - 4 by weight	200-338-0
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	1 - 4 by weight	246-771-9

### SECTION 4: FIRST AID MEASURES

#### Description of necessary measures:

Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue

rinsing. Get medical attention, if irritation or symptoms of overexposure persists.

Skin Contact: Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained

personnel. Seek immediate medical attention.

If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give Ingestion:

anything by mouth to an unconscious person

### SECTION 5: FIRE FIGHTING MEASURES

#### Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires

involving this material.

#### Special protective equipment and precautions for fire-fighters:

Protective Equipment: As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent)

and full protective gear.

NFPA Ratings:

NFPA Health: 1 NFPA Flammability: 1

NFPA Reactivity: 0



### SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

Personal Precautions: Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use

proper personal protective equipment as listed in Section 8.

**Environmental precautions:** 

**Environmental Precautions:** Avoid runoff into storm sewers, ditches, and waterways.

Methods and materials for containment and cleaning up:

Contain spills with an inert absorbent material such as soil or sand. Prevent from spreading by Methods for containment:

covering, diking or other means. Provide ventilation.

Methods for cleanup: Clean up spills immediately observing precautions in the protective equipment section. Place into a

suitable container for disposal. Provide ventilation. After removal, flush spill area with soap and water to remove trace residue.

## SECTION 7: HANDLING and STORAGE

## Precautions for safe handling:

Handling: Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.

Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

Conditions for safe storage, including any incompatibilities:

Storage: Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and

incompatible substances. Keep container tightly closed when not in use.

LIFELINE Acrylic Satin Perma-Chink Systems, Inc. Page 2 of 5 Revision: 9/30/2022

### SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

### Appropriate engineering controls:

Engineering Controls:

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

#### Individual protection measures:

Eye/Face Protection:

 $We ar appropriate protective \ glasses \ or \ splash \ goggles \ as \ described \ by \ 29 \ CFR \ 1910.133, \ OSHA \ eye$ 

and face protection regulation, or the European standard EN 166.

Skin Protection Description:

Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be

used to prevent contact with eyes, skin or clothing.

Respiratory Protection: A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be

permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety

shower.

PPE Pictograms:





### SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

#### PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Liquid

Physical State Appearance: Liquid.

Color: White

Odor: Slight latex odor

Odor Threshold:

Boiling Point:

Melting Point:

None.

Density:

Specific Gravity:

1.03 - 1.06

Specific Volume:

No Data

Solubility: Miscible in water.

Vapor Density:

No Data

Vapor Pressure:

No Data

Percent Volatile:

Evaporation Rate:

No Data

Evaporation Point:

No Data

PH:

8.8 - 9.3

Molecular Formula: Mixture Not applicable.

Molecular Weight: Not applicable.

Viscosity: 160 - 240 cP

Coefficient of Water/Oil

Distribution:

No Data

Flammability: Not Flammable

Flash Point: No Data

Lower Flammable/Explosive Limit: Not applicable.

Upper Flammable/Explosive Limit: Not applicable.

Explosive Properties: Not explosive.

Oxidizing Properties: No Data
Refractive Index: No Data

Optical Rotation: Not applicable.

VOC Content: < 275 g/L (less Water)

### SECTION 10: STABILITY and REACTIVITY

Chemical Stability:

Chemical Stability: Stable under normal temperatures and pressures.

Possibility of hazardous reactions:

Hazardous Polymerization: Not reported.

Conditions To Avoid:

Conditions to Avoid: Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.

**Incompatible Materials:** 

Incompatible Materials: Oxidizing agents. Strong acids and alkalis.

## SECTION 11: TOXICOLOGICAL INFORMATION

### TOXICOLOGICALINFORMATION:

### **Ethylene Glycol:**

Inhalation: May cause respiratory tract irritation. Inhalation of vapors may cause drowsiness and

dizziness. LD50, rat10876 mg/kg

Eye Contact: Causes eye irritation.

Skin Contact: May cause skin irritation.

### 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Skin: Rabbit LD50 6300 UL/kg
Ingestion: Rat LD50 2000 mg/kg

Inhalation: Rat LC >4500 mg, six hours

### **Propylene Glycol:**

Inhalation: Possible irritant to upper respiratory tract and CNS depression.

Eye Contact: Possible irritant.

Skin Contact: May cause skin irritation. Rabbit LD50 20,800 mg/kg.

Ingestion: Aspiration hazard. Can enter lungs during swallowing and emesis and cause chemical pneumonia and edema.

# **Diethylene Glycol Monobutyl Ether:**

Eye Contact: Serious eye damage/irritation. Rabbit - Irritating to eys.

### 2-Propanol, 1-(2-Butoxy-1-Methyleethoxy)-:

Not classified as a carcinogenic or possible carcinogenic.

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICITY:

Ecotoxicity: Do not empty into drains or waterways.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Description of waste:

Waste Disposal: Review the US EPA Guidelines listed in 40 CFR Part 261.3 for the classification of hazardous waste

priior to disposal. Consult with state and local laws and regulations for proper disposal.

LIFELINE Acrylic Satin

Revision: 9/30/2022

Page 4 of 5

### **SECTION 14: TRANSPORT INFORMATION**

IATA Shipping Name:

DOT Shipping Name: Not restricted as a dangerous good. DOT UN Number:

Not restricted as a dangerous good.

IATA UN Number: Not restricted as a dangerous good.

Not restricted as a dangerous good.

Canadian Shipping Name: Not restricted as a dangerous good. Canadian UN Number: Not restricted as a dangerous good. IMDG UN Number: Not restricted as a dangerous good. IMDG Shipping Name: Not restricted as a dangerous good. ADR UN Number: Not restricted as a dangerous good.

ADR Shipping Name: Not restricted as a dangerous good.

### SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

Ethylene glycol:

EC Number: 203-473-3

California Prop 65: Listed: Develpomental toxicant

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

EC Number: 246-771-9

Diethylene glycol monobutyl ether:

EC Number: 206-961-6 Amorphous silicon dioxide, chemically prepared: 262-373-8 EC Number: 2-Propanol, 1-(2-butoxy-1-methylethoxy)-:

EC Number: 249-951-5

Propylene glycol:

EC Number: 200-338-0

### SECTION 16: ADDITIONAL INFORMATION

**HMIS Ratings**:

HMIS Health Hazard: 1 HMIS Fire Hazard: 1 HMIS Reactivity: HMIS Personal Protection:

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	х

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SDS Format:

SDS Author: Perma-Chink Systems, Inc.

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LIFELINE Acrylic Satin Revision: 9/30/2022