

# **SAFETY DATA SHEET**

#### SECTION 1: IDENTIFICATION

Product identifier used on the label:

Product Name: LIFELINE Ultra-2

Other means of identification:

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

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

Signal Word: Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910-1200.

GHS Class: Not applicable.

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:

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Proprietary Polymer		15 - 25 by weight	
Non-hazardous		70 - 80 by weight	
Amorphous silicon dioxide, chemically prepared	7631-86-9	0.5 - 1.0 by weight	262-373-8
Propylene glycol	57-55-6	2 - 3 by weight	200-338-0
1-Propanol, 2-amino-2-methyl-	124-68-5	0.1 - 0.5 by weight	204-709-8
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	0.5 - 1.5 by weight	246-771-9
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	0.1 - 0.5 by weight	500-315-8
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	41556-26-7	0.1 - 0.5 by weight	255-437-1
Poly(oxy-1,2-ethanediyl), -[3-[3-(2H-benzotriazol-2-yl)-5- (1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]hydroxy-	104810-48-2	0.1 - 0.5 by weight	400-830-7
Poly(oxy-1,2-ethanediyl), -[3-[3-(2H-benzotriazol-2-yl)-5- (1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-[3-[3-(2 H-benzotriazol-2-yl)-5-1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxoproxy]-	104810-47-1	0.1 - 0.5 by weight	400-830-7
Diuron	330-54-1	0.1 - 0.5 by weight	206-354-4

#### **SECTION 4: FIRST AID MEASURES**

 $\underline{\hbox{Description of necessary measures:}}$ 

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. Eye Contact:

Skin Contact: Immediately wash skin with soap and plenty of water.

Get medical attention if irritation develops or persists

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

personnel. Seek immediate medical attention.

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

1 NFPA Health: 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:

Methods for containment: Contain spills with an inert absorbent material such as soil or sand. Prevent from spreading by covering, diking or other means. Provide ventilation.

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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:

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. Storage:

### SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

#### EXPOSURE GUIDELINES:

#### Appropriate 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 **Engineering Controls:** 

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:

PPE Pictograms:

Wear 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. Eye/Face Protection:

Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing. Skin Protection Description:

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



# SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

#### PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Liquid. Physical State Appearance: Liquid

Color: Various Colors

Odor: Characteristic latex odor

Odor Threshold: None. **Boiling Point:** 212°F

Melting Point: Not applicable.

Density: 8.40 - 8.65 lb./gal

Specific Gravity: 1.01 - 1.04

Specific Volume: No Data Solubility: No Data Vapor Density: No Data

Vapor Pressure: No Data Percent Volatile: 79-82% **Evaporation Rate:** No Data **Evaporation Point:** No Data 8.8 - 9.3

Molecular Formula: Mixture

Molecular Weight: Not applicable.

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Viscosity: 250 - 300 cP Coefficient of Water/Oil No Data

Distribution Flammability:

Not Flammable

Flash Point:

Lower Flammable/Explosive Limit: Not applicable. Upper Flammable/Explosive Limit: Not applicable. Explosive Properties: No Data

Oxidizing Properties: No Data Refractive Index: No Data Optical Rotation: No Data

VOC Content: < 200 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

#### TOXICOLOGICAL INFORMATION:

### 1-Propanol, 2-amino-2-methyl-:

Oral - Rat LD50 - Lethal dose, 50 percent kill: 2900 mg/kg [Details of toxic effects not reported other than lethal dose value] (RTECS) Ingestion:

### Amorphous silicon dioxide, chemically prepared:

Eve: Administration into the eye - Rabbit Standard Draize test: 25 mg/24H [Mild] (RTECS)

**Diuron:** 

Administration onto the skin - Rat LD50 - Lethal dose, 50 percent kill: >5 gm/kg [Details of toxic effects not reported other than lethal dose value] (RTECS) Skin:

Inaestion: Oral - Rat LD50 - Lethal dose, 50 percent kill: 1017 mg/kg [Behavioral - General anesthetic Behavioral

Ataxia]

Oral - Rat LD50 - Lethal dose, 50 percent kill: 1 gm/kg [Details of toxic effects not reported other than

lethal dose value] (RTECS)

Propviene givcol:

Eve:

Administration into the eye - Rabbit Standard Draize test: 100 mg [Mild] Administration into the eye - Rabbit Standard Draize test: 500 mg/24H [Mild] (RTECS)

Skin: Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill: 20800 mg/kg [Details of

toxic effects not reported other than lethal dose value]
Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill: 20800 mg/kg [Behavioral -Ataxia Behavioral - Tetany Lungs, Thorax, or Respiration - Respiratory depression] (RTECS)

Oral - Rat LD50 - Lethal dose, 50 percent kill: 20 gm/kg [Details of toxic effects not reported other

than lethal dose value] (RTECS)

# SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingestion:

Ecotoxicity: Do not empty into drains or waterways.

Environmental Fate: No data.

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### SECTION 13: DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous

waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local

guidelines.

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

DOT Shipping Name: Not restricted as a dangerous good.

DOT UN Number: Not restricted as a dangerous good.

IATA Shipping Name: Not restricted as a dangerous good.

IATA UN Number: 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:

Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched:

TSCA Inventory Status: Listed Canada DSL: Listed 500-315-8 EC Number:

Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate:

TSCA Inventory Status: Listed Canada DSL: Listed 255-437-1 EC Number:

Poly(oxy-1,2-ethanediyl), -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]--hydroxy-1-hydro

TSCA Inventory Status: Listed Canada DSL: Listed 400-830-7 EC Number:

Poly(oxy-1,2-ethanediyl), -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]-:

TSCA Inventory Status: Listed Canada DSL: Listed 400-830-7 EC Number:

1-Propanol, 2-amino-2-methyl-:

204-709-8

Amorphous silicon dioxide, chemically prepared: TSCA Inventory Status: Listed

Canada DSL: Listed 262-373-8 EC Number:

Diuron:

California PROP 65: Listed in California Prop65 list

EC Number: 206-354-4

Propylene glycol:

TSCA Inventory Status: Listed Canada DSL: Listed EC Number: 200-338-0

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# SECTION 16: ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1
HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Personal Protection: X

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	х

SDS Creation Date: July 30, 2015
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SDS Format:

SDS Author: Perma-Chink Systems, Inc.

Disclaimer:

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