

MATERIAL SAFETY DATA SHEET

PILGRIM PERMOCOAT, INC.
402 S. 22ND. STREET
TAMPA, FLORIDA 33605

ISSUE DATE-9/12/06
REVISED-

SECTION 1 - MATERIAL IDENTIFICATION

PRODUCT NAME - UROCEL W, A COMPONENT
CHEMICAL NAME - Aqueous Polyacrylic Resin Dispersion DOT CLASS -See Section 14

FORMULA -TRADE SECRET

EMERGENCY CONTACT - ROBERT FORLONG DAY PHONE - 813-248-3328

SECTION 2 -Hazards Identification

EMERGENCY OVERVIEW

Color: Milky White, **Form:** liquid, **Odor:** Mild, Characteristic.
May cause eye, skin, and respiratory tract irritation. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Irritating gases fumes may be given off during burning or thermal decomposition.

Potential Health Effects

Primary Routes of Entry: Skin Contact, Eye Contact, Ingestion, Inhalation

Medical Conditions Aggravated by Exposure: Skin disorders, Respiratory disorders, Eye disorders

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

Inhalation

Acute Inhalation

For Product: UROCEL W, A Component

May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

For Component: Triethanolamine

Inhalation is unlikely due to the low vapor pressure. If misted or handled at elevated temperatures, high concentrations may cause respiratory tract irritation.

Skin

Acute Skin

For Product: UROCEL W, A Component

May cause irritation with symptoms of reddening and itching.

For Component: Triethanolamine

May cause irritation with symptoms of reddening and itching.

For Component: Propylene Glycol n-Butyl Ether

Slightly toxic by skin absorption.

Eye

Acute Eye

For Product: UROCEL W, A Component

May cause irritation with symptoms of reddening, tearing and stinging.

For Component: Triethanolamine

May cause irritation with symptoms of reddening, tearing and stinging.

Ingestion

Ingestion

Acute Ingestion

For Product: UROCEL W, A Component

Not expected to be harmful if swallowed.

For Component: Triethanolamine

Symptoms of ingestion may include abdominal pain, nausea, vomiting, and diarrhea.

For Component: Propylene Glycol n-Butyl Ether

May be harmful if swallowed.

Other Effects of Exposure

Other Effects of Exposure

For Product: UROCEL W, A Component

This product contains an amine neutralizing agent which is bound in the matrix of this product as a salt. This amine salt is considered essentially unreactive at room temperature. Generation of amine vapors is expected when this product is processed (heated) during the drying/hardening of the coating. The health effects statements in this section apply to the amine vapors thus produced.

Carcinogenicity:

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

3. Composition Information on Ingredients**Hazardous Components**

The amine listed in this section is used as a neutralizing agent in the product and as such is bound in the matrix of the product as a salt. However, upon processing or drying/hardening of the coating some neutralizing agent (amine) may be released.

<u>Weight %</u>	<u>Components</u>	<u>CAS-No.</u>
<=3%	Triethanolamine	102-71-6
1 - 5%	Propylene Glycol n-Butyl Ether	5131-66-8

4. First Aid Measures**Eye Contact**

In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.

Skin Contact

In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention if irritation develops.

Inhalation

If inhaled, remove to fresh air. Get medical attention if irritation develops.

Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

5. Fire-Fighting Measures

Suitable Extinguishing Media: carbon dioxide (CO₂), dry chemical, foam, water spray for large fires.

Special Fire Fighting Procedures

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize risk of rupture.

6. Accidental release measures**Spill and Leak Procedures**

Cover spill with inert material (e.g., dry sand or earth) and collect for proper disposal. Dike or dam spilled material and control further spillage, if possible. Prevent from entering open drains and waterways. Wash spill area with soap and water.

7. Handling and Storage**Storage Temperature:**

Minimum: 5 °C (41 °F)

maximum: 50 °C (122 °F)

Storage Period

6 Months @ 25 °C (77 °F)

Handling/Storage Precautions

Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Avoid breathing dust, vapor, or mist. Avoid contact with eyes. Avoid contact with skin or clothing. Protect from freezing.

Further Info on Storage Conditions

Store in a cool dry place. Store in original or similar containers. Store separate from food products.

8. Exposure Controls Personal Protection**Triethanolamine (102-71-6)**

US. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 5 mgm³

Industrial Hygiene/Ventilation Measures

Under normal conditions of use, special ventilation is not required. Thermal processing operations should be ventilated to control gases and fumes given off during processing.

Respiratory Protection

None required under normal conditions of use., NIOSH approved air-supplied respirator during die cleaning, high temperature processing or when thermal decomposition is suspected.

Hand Protection

Permeation resistant gloves., Butyl rubber gloves., Nitrile rubber gloves.

Eye Protection

Chemical safety goggles or safety glasses with side-shields., Chemical safety goggles in combination with a full face shield if a splash hazard exists.

Skin and body protection

Permeation resistant clothing, Gloves, long sleeved shirts and pants.

Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

9. Physical and chemical properties

Form:	liquid
Color:	Milky White
Odor:	Mild, Characteristic
pH:	Approximately 7.5
Freezing Point:	Approximately 0 °C (32 °F) similar to water
Boiling PointRange:	Approximately 100 °C (212 °F) similar to water
Flash Point:	> 93.33 °C (> 200 °F)
Lower Explosion Limit:	Not Established
Upper Explosion Limit:	Not Established
Vapor Pressure:	no data available
Specific Gravity:	no data available
Solubility in Water:	Miscible
Autoignition Temperature:	Not Established
Viscosity, Dynamic:	no data available
Bulk Density:	no data available

10. Stability and Reactivity

Hazardous Reactions

Hazardous polymerization does not occur.

Stability

Stable

Materials to avoid

Water reactives

Conditions to avoid

Protect from freezing.

Hazardous decomposition products

By Fire and Thermal Decomposition: Carbon Dioxide; Carbon Monoxide; Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke, Isocyanate, Isocyanic Acid and other undetermined compounds., Hydrogen cyanide

11. Toxicological Information

Toxicity Data for Triethanolamine

Acute Oral Toxicity

LD50: 4,190 mg/kg (Rat)

Acute dermal toxicity

LD50: > 2,000 mg/kg (rabbit)

Skin Irritation

rabbit, Slightly irritating
Human, Slightly irritating

Eye Irritation

rabbit, Moderately irritating

rabbit, Draize, Severely irritating

Sensitization

dermal: non-sensitizer (Guinea pig, Maximization Test)

Repeated Dose Toxicity

28 days, inhalation: NOAEL: > 0.5 mg/l, (Rat, Male/Female, 6 hrs/day 5 days/week)

13 weeks, Dermal: NOAEL: 500 mg/kg, (rat, Male/Female, daily)

Mutagenicity

Genetic Toxicity in Vitro:

Ames: negative (Salmonella typhimurium, Metabolic Activation: with/without)

Genetic Toxicity in Vivo:

Drosophila SLRL test: negative (Drosophila melanogaster)

Carcinogenicity

rat, female, dermal, 2 years, daily

negative

mouse, Female, dermal, 2 years,

positive

Rat, male, dermal, 2 years,

ambiguous

mouse, male, dermal, 2 years,

ambiguous

Nitrosamines may be formed with nitrates or nitrous acid under certain conditions. Nitrosamines have shown carcinogenic effects in animal tests.

Toxicity Data for Propylene Glycol n-Butyl Ether

Acute Oral Toxicity

LD50: 1,900 mg/kg (Rat)

Acute dermal toxicity

LD50: 3,100 mg/kg (rabbit)

Skin Irritation

rabbit, Irritating to skin.

Eye Irritation

rabbit, Irritating to eyes.

Repeated Dose Toxicity

11 d, Inhalation: NOAEL: <600 ppm, (Rat)

12. Ecological Information

Ecological Data for Triethanolamine

Biodegradation

Aerobic, 82 %, Exposure time: 8 Days

Inherently biodegradable.

Biological Oxygen Demand (BOD)

5 Days, 0.17 mg

Chemical Oxygen Demand (COD)

0.5 mg

Theoretical Biological Oxygen Demand (ThBOD)

1.61 - 2.04 mg

Bioaccumulation

Carp, Exposure time: 42 Days, < 0.4 BCF

Acute and Prolonged Toxicity to Fish

LC50: > 5,000 mg/l (Fathead minnow (*Pimephales promelas*), 96 hrs)

LC50: 450 mg/l (Bluegill (*Lepomis macrochirus*), 96 hrs)

Acute Toxicity to Aquatic Invertebrates

EC50: 1,386 mg/l (Water flea (*Daphnia magna*), 24 hrs)

Toxicity to Aquatic Plants

EC50: 216 - 750 mg/l, End Point: growth (Green algae (*Scenedesmus subspicatus*), 72 hrs)

Toxicity to Microorganisms

EC10: 7,650 mg/l, (*Pseudomonas putida*, 16 hrs)

EC50: 525 mg/l, (*Photobacterium phosphoreum*, 30 min)

Ecological Data for Propylene Glycol n-Butyl Ether**Biodegradation**

> 90 %, Exposure time: 28 d

Acute and Prolonged Toxicity to Fish

LC50: 560 - 1,000 mg/l (Guppy (*Poecilia reticulata*))

Acute Toxicity to Aquatic Invertebrates

EC50: > 1,000 mg/l (Water flea (*Daphnia magna*))

13. Disposal considerations**Waste Disposal Method**

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Empty Container Precautions

Recondition or dispose of empty container in accordance with governmental regulations.

14. Transportation information**Land transport (DOT)**

Non-Regulated

Sea transport (IMDG)

Non-Regulated

Air transport (ICAO/IATA)

Non-Regulated

15. Regulatory Information**United States Federal Regulations**

OSHA Hazcom Standard Rating: Hazardous

US. Toxic Substances Control Act: Listed on the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302):**Components**

None

SARA Section 311/312 Hazard Categories:

Acute Health Hazard

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):**Components**

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required:**Components**

None

US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

<u>Weight %</u>	<u>Components</u>	<u>CAS-No.</u>
1 - 50%	Water	7732-18-5
1 - 50%	Polyacrylate Resin	CAS# is a trade secret
1 - 20%	Reactive diluent	CAS# is a trade secret
<=3%	Triethanolamine	102-71-6
1 - 5%	Propylene Glycol n-Butyl Ether	5131-66-8

California Prop. 65:

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

16. Other Information**NFPA 704M Rating**

Health 1

Flammability 1

Reactivity 0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

HMIS Rating

Health 1

Flammability 1

Physical Hazard 0

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

* = Chronic Health Hazard