

**Section 1. Identification**

Product Identifier: **Protect All Rubber Roof Cleaner**  
Product Use: RV Maintenance  
Manufacturer: Thetford Corporation  
7101 Jackson Road  
Ann Arbor, MI 48103  
Emergency Numbers: (734) 769-6000  
(800) 424-9300 (CHEMTREC - 24 hours)

**Section 2. Hazards Identification**

Classification: Eye Damage/Irritation - Category 1

Hazard Pictograms:



Signal Word: DANGER

Hazard Statements: Causes serious eye damage.

Precautionary Statements:  
Prevention

Wear eye protection.

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center.

**Section 3. Composition/Information on Ingredients**

Mixture of the following ingredients with non-hazardous additions.

Ingredient Name	Wt%	CAS Number
Ethoxylated Alcohol	0.4	68439-46-3
Sodium Hydroxide	0.4	1310-73-2

**Section 4. First Aid Measures**First Aid Measures

Inhalation: Remove from contaminated area if irritation occurs.  
Skin Contact: Wash thoroughly with soap and water.  
Eye Contact: Irrigate eyes for a minimum of 15 minutes. Get medical attention immediately.  
Ingestion: Do not induce vomiting. Drink 2 glasses of water. Contact a physician.

Potential Acute Health Effects

Inhalation: No data available.  
Skin Contact: Not a skin irritant.  
Eye Contact: Causes serious damage.  
Ingestion: Nontoxic if ingested.

Potential Chronic Health Effects

None known.

**Section 5. Fire-Fighting Measures**

Extinguishing Media: Water, dry chemical, carbon dioxide or foam  
Specific hazards arising from the chemical: Hazardous decomposition products formed under fire conditions.  
Hazardous thermal decomposition products: Oxides of carbon, nitrogen and oxides of sulfur  
Special protective actions for fire-fighters: None  
Special protective equipment for fire-fighters: None

## Section 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Wear safety glasses and rubber gloves. Eliminate sources of ignition.

### Method and materials for containment and clean up

Clean up small spills with water. Soak up larger spills with absorbent material. Place used absorbent in closed containers for disposal. Mop the area with plenty of cold, clean water. Dispose of in accordance with federal, state, and local regulations.

## Section 7. Handling and Storage

Precautions for safe handling: Keep away from heat and sources of ignition. Avoid contact with eyes and skin. Wash thoroughly after handling. Spilled material may be slippery.

Conditions for safe storage: Store below 100°F (38°C). Do not freeze. Store away from strong bases and oxidizing agents.

## Section 8. Exposure Control/Personal Protection

### Occupational Exposure Limits

Sodium Hydroxide OSHA TWA: 2mg/m<sup>3</sup> ACGIH: 2 mg/m<sup>3</sup> Ceiling

Appropriate Engineering Controls Maintain adequate ventilation.

### Personal Protection

Respiratory Protection: Not required for properly ventilated areas

Skin Protection: Rubber gloves

Eye/Face Protection: Safety glasses or goggles

Hygiene Measures: Wash hands thoroughly after handling especially before eating, drinking and smoking. Wash contaminated clothing before reuse. Have eyewash and safety shower available.

## Section 9. Physical and Chemical Properties

Physical State:	Liquid	Upper/Lower Explosive Limits:	Not applicable
Color:	Colorless	Vapor Pressure:	Not available
Odor:	Flowery	Vapor Density:	Not available
Odor Threshold:	Not available	Specific Gravity:	1.02
pH:	10.5 - 11	Bulk Density:	Not applicable
Melting Point:	Not applicable	Solubility:	Completely soluble
Freezing Point:	32°F (0°C)	Partition coefficient n-octanol/water:	Not available
Boiling Point:	212°F (100°C)		
Flash Point (RTCC):	>200°F (>93°C)	Auto-ignition Temperature:	Not available
Evaporation Rate:	Not available	Decomposition Temperature:	Not available
Flammability:	Not applicable	Viscosity:	None, like water

## Section 10. Stability and Reactivity

Reactivity: No information available

Chemical Stability: Stable under recommended storage conditions

Possibility of Hazardous Reactions: No information available

Conditions to Avoid: Storage below 32°F or above 100°F for extended periods.

Incompatible Materials: Strong oxidizing agents

## Section 11. Toxicological Information

Information on the likely routes of exposure: Dermal contact. Eye contact.

### Potential Acute Health Effects

Inhalation: Not an inhalation hazard.  
 Skin Contact: Not a skin irritant.  
 Eye Contact: Causes serious eye damage.  
 Ingestion: Nontoxic if ingested.

### Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Inhalation: Not available.  
 Skin Contact: May cause itchiness if left on skin.  
 Eye Contact: Irritating with burning and tearing.  
 Ingestion: Not available.

### Potential Chronic Health Effects

#### Short Term Exposure

Potential immediate effects: Not available

#### Long Term Exposure

Potential delayed effects: Not available  
 General: Not available  
 Carcinogenicity: Ingredients not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.  
 Mutagenicity: No known significant effects or critical hazards.  
 Teratogenicity: No known significant effects or critical hazards.  
 Developmental Effects: No known significant effects or critical hazards.  
 Fertility Effects: No known significant effects or critical hazards.

### Information on Toxicological Effects

#### Acute Toxicity

Eye contact is corrosive.

#### Components:

Ethoxylated Alcohol	LD50 Oral	>2000 mg/kg (rat)
Sodium Hydroxide	LD50 Oral	None

### Respiratory or skin sensitization

Respiratory sensitization: No known significant effects or critical hazards.  
 Skin sensitization: No known significant effects or critical hazards.

Carcinogenicity: Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity: No data available to indicate product or any components present at greater than 0.1% present reproductive hazards.

Specific target organ toxicity - single exposure:

No known significant effects or critical hazards.

Aspiration hazard

Not an aspiration hazard

## Section 12. Ecological Information

Toxicity Not toxic to aquatic organisms.

Components

Ethoxylated Alcohol	EC50 48h Daphnia	5 - 10 mg/l
	LC50/96h Fish	5 - 10 mg/L
	EC50/72h Algae	100 - 100 mg/l
Sodium Hydroxide	LC50 Fish/96h	125 mg/l (mosquito fish)
	LC50 Fish/48h	99 mg/l (bluegill sunfish)

Persistence and Degradability: Organic ingredients are biodegradable

Bioaccumulative Potential: No bioaccumulation expected

Mobility in Soil: Not available

Other Adverse Effects: No information available

### Section 13. Disposal Considerations

Disposal Methods: The generation of waste should be avoided or minimized wherever possible. Waste disposal should be in accordance with existing federal, state, and local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section 14. Transport Information

UN Number: Not Regulated Hazard Class: Not applicable

UN Proper Shipping Name: Not applicable Packing Group: Not applicable

Environmental Hazard: No

### Section 15. Regulatory Information

SARA 311/312: None

SARA Title III Section 313 EHS: None

SARA Title III Section 313 Toxic: None

### Section 16. Other Information

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