

Section 1. Identification

Product Identifier: **Rubber Roof Cleaner**
Product Use: Vehicle 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 Skin Sensitization - Category 1

Hazard Pictograms:  

Signal Word: DANGER

Hazard Statements: Causes serious eye damage. May cause an allergic skin reaction.

Precautionary Statements:

Prevention: Wear eye protection and protective gloves. Avoid breathing mist. Contaminated work clothing must not be allowed out of the workplace.

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. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.

Disposal: Dispose of contents and container in accordance with all local regulations.

Section 3. Composition/ Information on Ingredients

Mixture of the following ingredients with non hazardous additions.

Ingredient Name	Wt %	CAS Number
Alkylpolyglucoside solution	5	NA- Mixture
Alkyl Sulfate	1.20	NA - Mixture
Hydroxyphenyl-benzotriazole	0.22	NA - Mixture

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: May cause an allergic skin reaction.

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.

Section 8. Exposure Control/Personal Protection

Occupational Exposure Limits

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:	Detergent	Vapor Density:	Not available
Odor Threshold:	Not available	Specific Gravity:	1.014
pH:	8.5 - 9.5	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:	210°F (99°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 acids, bases and oxidizing agents
Hazardous Decomposition Products:	Oxides of carbon, nitrogen and oxides of sulfur

Section 11. Toxicological Information

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

Potential Acute Health Effects

Inhalation:	Not an inhalation hazard.
Skin Contact:	May cause an allergic skin reaction.
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

<u>Acute Toxicity</u>	Eye contact is corrosive.
-----------------------	---------------------------

Components:

Alkyl Sulfate		Of low toxicity after single ingestion
Hydroxyphenyl-benzotriazole	LD50 Oral	>2,000 mg/kg
	LD50 Dermal	>2,000 mg/kg
	LD50 Inhalation	>5.8 mg/l (14 days)
Alkylpolyglucoside solution	LD50 Oral	> 5,000 mg/kg (rat)
	LD50 Dermal	>5,000 mg/kg (rabbit)

Respiratory or skin sensitization

Respiratory sensitization	No known significant effects or critical hazards.
---------------------------	---

Skin sensitization	No known significant effects or critical hazards.
--------------------	---

<u>Carcinogenicity:</u>	Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).
-------------------------	---

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

<u>Reproductive Toxicity:</u>	No known significant effects or critical hazards.
-------------------------------	---

Specific target organ toxicity - single exposure:

No known significant effects or critical hazards.

Aspiration hazard

Not an aspiration hazard

Acute toxicity estimates (ATE)

Route	ATE value
Oral	>47,000 mg/kg

Section 12. Ecological Information

Toxicity Not toxic to aquatic organisms.

Components

Alkyl Sulfate	LC50 Fish	>1 - ≤10 mg/l (Leuciscus idus)
	EC50 Daphnia magna	>1 - ≤10 mg/l
	EC50 Algae	>10 ≤ 100 mg/l (Scenedesmus subspicatus)
Hydroxyphenyl-benzotriazole	LC50 Fish	2.8 mg/l
	EC50 Daphnia magna	3.8 mg/l
	EC50 Algae	>9 mg/l
Alkylpolyglucoside solution	EC50	10 - 100 mg/l 72 h (Desmodesmus subspicatus)
	EC50 Daphnia magna	10 - 100 mg/l 48 h
	LC50 Fish	>10 - 100 mg/l

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:	Immediate acute health hazard
SARA Title III Section 313 EHS:	None
SARA Title III Section 313 Toxic:	None

Section 16. Other Information

Date of Issue:	26-May-15	Prepared by:	Janis Thomson
Date of previous issue:	26-Sep-11	MSDS Number:	50031
Version:	2		