

Section 1. Identification

Product Identifier: **Black Streak Remover**
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 2

Hazard Pictograms:



Signal Word: Warning

Hazard Statements: Causes serious eye irritation.

Precautionary Statements:

Prevention Wash hands thoroughly after handling. 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. If eye irritation persists: Get medical attention.

Section 3. Composition/ Information on Ingredients

Mixture of the following with non-hazardous additions.

Ingredient Name	Wt %	CAS Number
Propylene Glycol Monobutyl Ether	5	NA - Mixture
Alkylpolyglycoside Solution	1.50	NA - Mixture
Borax Decahydrate	1	1303-96-4

Section 4. First Aid MeasuresFirst 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 irritation.
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
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

Borax Decahydrate treated by OSHA as "Particulate Not Otherwise Classified" (PNOR).

OSHA/PEL:	15 mg/m ³ (total dust)	ACGIH/TLV (STEL):	6 mg/m ³
OSHA/PEL:	5 mg/m ³ (respirable dust)		(inhalable fraction - Borate
ACGIH/TLV (TWA):	2 mg/m ³		Compounds, inorganic)

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:	Mild solvent	Vapor Density:	Not available
Odor Threshold:	Not available	Specific Gravity:	1.012
pH:	9 - 10	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

Section 11. Toxicological Information

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

Potential Acute Health Effects

Inhalation:	Not an inhalation hazard.
Skin Contact:	Not a skin irritant.
Eye Contact:	Causes serious eye irritation.
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
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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:	Not available
Fertility Effects:	Not available

Information on Toxicological Effects

<u>Acute Toxicity</u>	Eye contact is irritating.
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Components:

Propylene Glycol Monobutyl Ether	LD50 Oral	2,124 - 2,700 mg/kg (rat, female)
	LD50 Oral	2,612 - 5,500 mg/kg (rat, male)
	LD50 Dermal	>2,000 mg/kg
Alkylpolyglycoside Solution	LD50 Oral	>5,000 mg/kg (rat)
	LD50 Dermal	>5,000 mg/kg (rabbit)
Borax Decahydrate	LD50 Oral	5,560 mg/kg (rat)
	LD50 Dermal	>2,000 mg/kg (rabbit)
	LC50 Inhalation	>2 mg/L (rat)

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

Reproductive Toxicity: Not available

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	>28,000 mg/kg

Section 12. Ecological Information

Toxicity Not toxic to aquatic organisms.

Components		
Propylene Glycol Monobutyl Ether	LC50 Daphnia magna	>1,000 mg/l
	LD50/96h Fish	560 - 1,000 mg/l (guppy)
Alkylpolyglycoside solution	EC0 Bacteria	>100 mg/l
	LC50 Fish	>10 - 100 mg/l
	EC50 96h Daphnia	10 - 100 mg/l
Borax Decahydrate	EC50 Algae	28 mg B/L (Selenastrum capricornutum)
	EC50 Fish	80 mg B/L (Pimephales promelas)
	LC50 Daphnia Magna	5.7 mg B/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

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