

8609-004, 8609-005
Five Star Algae Eater™

Environmental Solutions



Description

- A revolutionary, microbe-powered algae remover.
- Specifically designed to safely remove algae stains from a variety of surfaces.
- Forms a barrier that prevents the re-appearance of algae, moss or lichen for at least six months.
- Does not require scrubbing or pressure washing - spray and leave.
- Contains no chlorine, caustic-based or acid-based products.
- Will not harm plants, landscaping, plastic, painted or metal surfaces.
- Bio-based, all-natural, no VOC's, biodegradable and non-toxic.
- Covers 1,000 square feet per gallon.

Technology Profile

BioTec Technology is the science of using microbes and enzymes to digest and remove the food source used by algae to grow and survive. These microbes and enzymes produce complex chemical reactions that metabolize ammonia, nitrogen and phosphorous into carbon dioxide and water. By digesting and removing these essential elements, the algae is unable to grow and survive. The result is the removal of algae from vertical and horizontal surfaces. Algae Eater™ creates a barrier that forms on surfaces to prevent re-occurrence of algae. Algae Eater™ is not an algaecide; it is an all-natural alternative to harsh, hazardous chemicals to remove algae.

Technical Information

Usage	Dilution Ratio	RTU
Physical Properties	Appearance	Liquid
	Color	Amber
	Fragrance	None
	pH	7
	Shelf Life	Minimum 1 Year
Packaging	8609-004	(4) 1 gal./3.78 L

Advantages

Algae disfigures and degrades many types of vertical and horizontal masonry and non-masonry surfaces. Not only is algae an eye-sore, it can be damaging to surfaces as well.

Algae Eater™ is an all-natural and highly efficient alternative to standard hazardous chemicals which require hard scrubbing or damaging power-washing. It renews the appearance of algae-covered surfaces making them look new again.

Conventional cleaners, like chlorine-based products, require multiple treatments and only last a few weeks. In fact, using chlorine-based products, which are 99% water, create more algae growth than they remove. Algae Eater™ creates a barrier on the treated surface to protect and prevent algae build-up for at least six months.

Application

Apply Algae Eater™ with a trigger sprayer or hand sprayer, soaking the entire affected area to ensure the surface to be treated is thoroughly wet.

The stain will disappear in 48 hours or less. After the algae disappears, rinse with low-pressure water to remove dirt and grime. The algae stains will not return for at least six months.

Re-apply every six months to avoid any re-occurring growth of algae. On heavy build-up, a second application may be needed.



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Bioremediation, Inc.
CORPORATE: 888-242-2898

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HAZARD RATING

HEALTH	1
FIRE	0
REACTIVITY	0
P.P.E	B

820 Niles Ave. Suite E
South Bend, IN 46617

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

DATE PREPARED: 1/12/05
DATE REVISED: 1/12/05
DATE OF ORIGINATION: 1/12/05

I. PRODUCT IDENTIFICATION:

Algae Eater Stain Remover

COMMON NAME: CLEANING COMPOUND
GENERIC NAME: CLEANER
CHEMICAL: MIXTURE

II. HAZARDOUS INGREDIENTS:

Ingredients	CAS	%	OSHA PEL	ACGIH TLV
DOES NOT CONTAIN ANY HAZARDOUS INGREDIENTS				

III. PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT:	212	APPEARANCE:	BROWN
SPECIFIC GRAVITY:	1.0072	FORM:	LIQUID
MELTING POINT:	N/D	ODOR:	BLAND
EVAPORATION RATE:	N/D	VAPOR DENSITY:	N/D
SOLUBILITY (H2O, 25C)	SOLUBLE	pH:	7
VOLATILES CONTENT:	0	VOC (g/L)	0

IV. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: DEGREES More than 300F
LEL: N/D
UEL: N/D
Autoignition Temperature: N/D
Extinguishing Media: Product is water-based and will not support flames.
Unusual Fire/Explosion Hazards: Closed containers exposed to heat may rupture due to pressure buildup.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides, hydrocarbons, steam.

V. REACTIVITY:

STABILITY: Stable
CONDITIONS TO AVOID: None known

VI. HEALTH HAZARDS:

ROUTES AND INDICATIONS OF EXPOSURE

EYES: May cause irritation to eyes.
SKIN: Good industrial hygiene recommended.
INHALATION: N/A
INGESTION: May cause irritation.
TOXICITY DATA: None as listed by OSHA, NTP, IARC or EPA

EMERGENCY FIRST AID:

EYES: Flush eyes for fifteen minutes with water.
SKIN: Wash exposed areas with soap and water.
INHALATION: Remove victim to fresh air or oxygen supply. Seek medical attention if breathing difficulty persists.
INGESTION: If conscious, give victim two glasses of water to dilute ingested material.
Do not induce vomiting.

VII. SPILL, DISPOSAL PROCEDURES AND PRECAUTIONS:

HANDLING: Keep closed when not in use. Store at room temperature. Prevent product from freezing. Follow MSDS and Label warnings even after package is empty.

Material Spillage: Contain, retrieve spilled materials (absorb, pump, vacuum)

WASTE DISPOSAL: This material is NOT defined as hazardous by the Resource Conservation and Recovery Act. It is the product users responsibility to determine at the time of disposal, whether a material containing the product or derived form the product should be classified as a hazardous waste. (40 FR 261020-40). Spill and releases of this material are not reportable under S.A.R.A. (III) Sec. 313.

VIII. PERSONAL PROTECTIVE EQUIPMENT (P.P.E.):

PROTECTIVE EQUIPMENT: Wear safety glasses and gloves.
RESPIRATORY PROTECTION: General ventilation recommended.
ENGINEERING CONTROLS: Keep containers closed when not in use. Do not handle or store near strong oxidants.
PERSONAL HYGIENE: Cleanse skin thoroughly after contact.

IX. REGULATORY INFORMATION:

D.O.T. SHIPPING NAME:	NON-REGULATED	D.O.T. HAZARD CLASSIFICATION:
N/A		
S.A.R.A. III Sec. 311 & 312:	N/A	
S.A.R.A. III Sec. 313:	NOT covered under Sara 313	
R.C.R.A.:	NO	
TSCA Registry:	YES	