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PRODUCTS & SOLUTIONS

BIOERASE

FIFRA Exempt 25b Product

Antimicrobial Multi-Surface Cleaner

Removes dirt, grease, oil, carbon, soot, wet or dry paint, grime, and other soils. Works on any surface including food grade surfaces. Ingredients meet commonly consumed food commodities conforming to 40CFR 180.950

- Non-Toxic/All Natural
- Kills Odor-Causing Bacteria
- Instantly Reactive
- Resistant to Heat & Chlorine
- Cuts Animal Fats & Grease
- Removes Mold & Mildew
- Controls Algae

BioErase is a colorless broad spectrum antimicrobial cleaner. Its non staining formula is safe to use on most any surface or fabric. Proven to kill odor-causing bacteria and micro-organisms, BioErase performs outstandingly on hard surfaces in food processing facilities and equipment, homes, hotels, restaurants, schools, day care facilities, offices, shops, buses and other public transportation vehicles, locker rooms, kitchens and restrooms, kennels, exercise facilities, and beauty-barber shops.

BioErase is an effective replacement for bleach and quat based products while remaining non-corrosive, non-hazardous, and non-toxic. BioErase has been formulated to deep clean hard surfaces and objects including walls, floors, counters, sinks, toilets, cabinets, tubs, showers, doorknobs, telephones, stove tops, waste containers, tables and chairs. Also ideal for toys, diaper pails, diaper changing tables, bathroom and kitchen counters, telephone, doorknobs, cribs,playpens, activity centers and tanning beds.

BioErase works in any temperature and is capable of removing soil and buildup. The result is a solution that quickly degrades petroleum hydrocarbons, vegetable and animal fats, oils, greases, waste solids and other organic com-pounds with an easy to apply and versatile treatment. Because BioErase is instantly reactive, it can be used in any cleaning environment where cleaning and odor control is desired.

BioErase is FIFRA exempt as per 40 CFR 152.25 (f).

The formula and its ingredients meet or exceed the EPA's Safer Choice program requirements for both the safety of the environment and the user.

Technical Data

BIODEGRADABLE: Yes/100%
FORM: Liquid
ODOR: Mild Soapy Odor
COLD STABILITY: 30° F
DETERGENCY: Excellent
PHOSPHATES: None
WETTING ABILITY: Excellent

FLAMMABILITY: Non-Flammable
BOILING POINT: 214° F
SOLUBILITY IN WATER: 100%
VOCs: None
VOLATILE BY VOLUME: N/A
CARCINOGENS: None
SHELF LIFE: 1 Year

EPA FIFRA Exempt

This product is exempt from EPA registration under minimal risks pesticides exemption FIFRA section 25(b)

DOT STATEMENT

Non-D.O.T. Regulated/Non-D.O.T. Hazardous
EXEMPT as per 49 CFR 173.154(d) (1) <6.25 mmpy

D. O. T. classifies a material to be corrosive and hazardous if it has a corrosion rate that exceeds 6.25 mmpy on SAE C1020 carbon steel or 7075-Y6 Aluminum.

Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr. LC 50 and LD 50 (rat oral: NON-TOXIC)

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals: NON-MUTAGENIC

Dermal Irritation & Corrosion
A modified Draize method was used as described in OECD Guidelines for the Testing of Chemicals Sec. 404 and complies with the requirements of OECD Principles of GLP, Annex rrevised as of July 1992.

BioErase is classified as a "Non-Skin Irritant".

Bio-degradation & Aquatic Safety
Test Procedure: Hach Reactor Digestion method for Waste Water and Sea Water. Hach Reactor Digestion Method is a semi-micro adaptation of the Standard Methods.

BioErase is 100% Biodegradable.

Classifications & Approvals

Exempt from EPA registration under minimal risks pesticides exemption FIFRA section 25(b)

D.O.T., IMO, IATA , IMDG - Non-Regulated

TDG - Non-Regulated to and through Canada

SARA 313 311/312 - This product does not contain any ingredients that are subject to the reporting requirements.

California Prop 65 - This product does not contain any ingredients known to the state of California to cause cancer, birth defects or any other reproductive harm.

FDA - Approved as Safe (GRAS)

USDA Authorization
A1, A2, A3, A4, A8, C3

Additional Studies & Results: When tested, BioErase showed no potential for the generation of Carbon Dioxide under NIOSH 7903 OSHA & ACGIH testing protocols governing workplace environments.