

Purgo



DISINFECTANT AND DETERGENT

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

- Live Vegetative Microbes
(1.1 trillion CFU per gallon)
- Instantly Reactive
- Resistant to Heat, Chlorine and Sanitizer
- Degrades Hydrocarbons
- Cuts Animal Fats
- Cuts Vegetable Fats
- Non-Emulsifying

Purgo is a colorless broad spectrum disinfectant and detergent. Proven to kill bacteria and micro-organisms, Purgo performs outstandingly on hard surfaces in food processing 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, beauty-barber shops, buses and other public transportation vehicles, locker rooms, kitchens and restrooms.

Purgo, powered by EMS' Xtreme and SynTech, is an effective replacement for bleach and quat while remaining non-corrosive and non-toxic. Purgo has been formulated to disinfect hard surfaces and objects including walls, floors, counters, sinks, toilets, cabinets, tubs, showers, doorknobs, telephones, stove tops, waste containers, tables and chairs. Also idea for toys, diaper pails, diaper changing tables, bathroom and kitchen counters, telephone, doorknobs, cribs, playpens, activity centers and tanning beds.

Purgo provides 1.1 trillion colony forming units of vegetative microbes per gallon. What makes our microbes even more unique is our exclusive bound microbe technology. EMS microbes are enclosed in a sheath to protect them from chlorine, sanitizer and heat, which easily kill unbound microbes. Purgo is FIFRA exempt as per 40 CFR 152.25 (f) and labeled to kill bacteria on hard surfaces, destroy odor-causing bacteria and even control algae.

In addition to our sheathing technology, we have for the first time stabilized live vegetative microbes in a liquid form. 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 Purgo is instantly reactive, it can be used in any cleaning environment where cleaning and odor control is desired.

Purgo works in any temperature and because it contains just the right amount of EMS' patented SynTech, Purgo is capable of removing soil and buildup while it disinfects and deodorizes.

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. Purgo is manufactured in a Green Circle certified facility.



Powered by
Xtreme

syntech

Technical Data

| | |
|----------------------------|-----------------------------|
| BIODEGRADABLE: Yes/100% | FLAMMABILITY: Non-Flammable |
| FORM: Liquid | BOILING POINT: 214° F |
| ODOR: Mild Soapy Odor | SOLUBILITY IN WATER: 100% |
| COLD STABILITY: 30° F | VOCs: None |
| DETERGENCY: Excellent | VOLATILE BY VOLUME: N/A |
| PHOSPHATES: None | CARCINOGENS: None |
| WETTING ABILITY: Excellent | SHELF LIFE: 1 Year |

FIFRA Exempt

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Purgo kills odor-causing bacteria on food contact surfaces and on non-food-contact surfaces.

Purgo kills bacteria that cause spoilage, deterioration, or fouling of materials on a variety of surfaces, textiles and paper products. Purgo kills bacteria that cause fouling in cooling towers.

Purgo kills odor-causing bacteria.

Purgo effectively controls the growth of algae.

Purgo neutralizes and removes odors.

Purgo removes mold stains from surfaces such as patios, decks and most other structures.

Kills and controls micro-organisms infectious to animals.

Purgo is Exempt from FIFRA Registration.

Purgo is registered for sale in the State of Florida with the Florida Department of Agriculture and Consumer Services Bureau of Pesticides, Pesticide Registration Section.

The Florida Company ID for ENVIRONMENTAL MANUFACTURING SOLUTIONS, LLC. is E0284001.

The Florida Department of Agriculture ID for PURGO is 0050284001.

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.

Dilution Specification

Please refer to the product label.

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 revised as of July 1992.

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

Biodegradation & 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.

Purgo 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, Purgo showed no potential for the generation of Carbon Dioxide under NIOSH 7903 OSHA & ACGIH testing protocols governing workplace environments.