

# Microbial Bird Dropping Cleaner



## ADVANCED TECHNOLOGY

Microbial Bird Dropping Cleaner MBDC-10 Concentrate

- Microbial Bird Dropping Cleaner ( MBDC-10) is designed to replace ordinary cleaners with a concentrated formulation that is safe for any surface and will not be harmed by a water based cleaner.

### Applications

- Tile
- Wood
- Concrete
- Metal

### DIRECTIONS

1. Microbial Bird Dropping Cleaner may be used with a pressure washer or hand sprayer.
2. Spray on surface to be cleaned and allow to dwell on surface for several minutes.
3. Rinse soaked area and remove soil. If all soil is not removed apply a second application.

### DILUTION

Microbial Bird Dropping may be diluted with 5-10 parts water to 1 part MBDC-10. Heavy soil will require a heavier concentration.

### INSTRUCCIONES

1. Aplique libremente al suelo y dejar producto absorber por unos minutos.
2. Con trapeador seco levante el resto sobrante.
3. Descarte resto sobrante abajo del dren.

### PRECAUCION

Guardar fuera del alcance de los niños. No mezclar con cloro.



445 Hwy 36 N.  
Rosenberg, TX 77471  
800-829-3020



### USAGE RATES

All Uses	5 oz. per 3 - 5 gallons
Todos los Usos	5 onzas con 3 - 5 galones

### PHYSICAL PROPERTIES

State	Liquid
Color	Straw Colored
Odor	Fresh
pH	9.4 - 9.6
Solubility in water	100% soluble

Item #	Pkg	Shipping Weight
30X5 oz.	(case)	15 bs.
4X1 Gal.	(case)	40 lbs.
55 Gal.	(drum)	475 lbs.
270 Gal.	(tote)	2500 lbs.
330 Gal.	(tote)	3000 lbs.

# MATERIAL SAFETY DATA SHEET

(ISO 11014-1 / ANSI Z 400.1-1998 / 93/112/EC)

Prepared By: The Company Health and Risk Assessment Unit Address: P.O. Box 17893, Austin TX 78760-7893

## SECTION 1 - Product & Company Identification

**Common Name:** Microbial Bird Dropping Cleaner  
**Manufactured For:** EVO Blend  
**Emergency Phone:** INFOTRAC: 800-535-5053  
**Physical Address:** 445 Hwy 36 N. Rosenberg, TX 77471  
**First Issued:** December 29, 2010  
**Business Phone:** (713) 357-5300 or (800) 829-3020

## SECTION 2 - Composition/Information on Ingredients

**Ingredients:** Proprietary mixture of surfactant; fatty acids (not otherwise specified) and water.  
**Hazardous Ingredients:** **CAS No:** **OSHA PEL/TLV** **ACGIH TLV** **STEL** **OTHER LIMITS**  
Ethoxylated Alcohol 34398-01-1 NE NE NE N/A  
The criteria for listing components in the composition section are as follows: Carcinogens 0.1% or greater; Other Hazardous (according to OSHA) 1.0% or greater. Non-hazardous components 3.0% or greater if not proprietary in nature.

## SECTION 3 - Hazards Identification

**Emergency Overview:** Microbial Bird Dropping Cleaner is a viscous, neutral straw colored liquid soap with a neutral chemical odor. Product is stable at normal temperatures. There are no known OSHA threshold limit values. May cause mild skin irritation as can any soap but skin irritation is not expected to be a problem. To be a problem. Product should not be elevated to temperatures above 150°F (65°C). Product should not be exposed to strong oxidizing agents.

### Potential Health Effects

**Routes of Exposure:** Skin, eyes and inhalation.

**Threshold Limit Values:** None Established by OSHA

### Routes of Contact

**Eyes:** May cause mild irritation.

Keep product away from children.

**Inhalation:** Mists may produce irritation to mucous membranes.

**Skin:** Skin exposure not anticipated to be a problem. May produce drying upon prolonged contact.

**Ingestion:** Irritation to G.I. tract mucous membranes.

### Signs & Symptoms

**Acute Over Exposure:** Slight irritation to eyes or skin.

**Chronic Over Exposure:** No data available. Not considered a problem.

**Medical Conditions Aggravated by Exposure:** None Known.

### Chemical Listed as Possible Carcinogen

**National Toxicity Program:** No **I.A.R.C. Monographs:** No **OSHA Reg.:** No

**Potential Environmental Effects:** No significant environmental hazards are associated with any of the constituent chemicals in this formulation, and are all considered biodegradable.

## SECTION 4 - First Aid Measures

**Eye Contact:** Use preventive measures. If contacted with eyes, flush with copious amounts of water for 15 minutes. If irritation persists, seek medical attention. Keep product away from children.

**Skin Contact:** Rinse with water. If irritation is noticed, seek medical attention. Irritation after flushing in generally not anticipated. Keep product away from children.

**Inhalation:** Do not spray in air. If aerosol is formed, leave the area immediately and start exhaust or open windows. Do not return until aerosol has been removed. Keep product away from children.

**Ingestion:** Do not induce vomiting. If large oral doses of concentrated product are taken internally and the patient is conscious, give large doses of water or milk. If gastric distress occurs seek medical attention. Keep product away from children.

**Note to physician:** Treat symptomatically.

## Section 5 - Fire-Fighting Measures

**Flashpoint:** Non-flammable Liquid

**Extinguishing Media:** Determined by surrounding material. Water fog or spray, Foam, Dry Powder, Carbon Dioxide (CO<sub>2</sub>).

**Decomposition Products:** From fire; Smoke, Carbon dioxide, & Carbon Monoxide

**Lower Flame Limit:** N/A

**Higher Flame Limit:** N/A

**Unusual Fire & Explosion Hazards:** **Lower Flame Limit:** None Known

**Fire Fighting Equipment:** Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

## SECTION 6 - Accidental Release Measures

**Spill/Leak Procedures:** Stop leak. Flush remaining residue with water to drain.

**Disposal Procedures:** Product is self-disposing by application, is non-toxic, biodegradable and, when diluted, is acceptable to meet requirements for NPDES discharge to POTW.

## SECTION 7 - Handling & Storage

**Handling:** Avoid eye contact. Limit skin contact. Wash all exposed areas with soap and water.

**Storage:** Store in a cool dry place in original containers. Keep away from strong oxidizing agents. Do not remove from original containers until prior to use, then use as soon as possible following directions contained in company literature and labeling.

## SECTION 8 - Exposure Controls/Personal Protection

**Exposure Controls:** No special controls are deemed necessary so long as material is retained in original containers and stored in a cool dry place.

**Personal Protection:** Not normally necessary. If individuals have chemically sensitive skin, irritation may result. Wear chemical resistant gloves or cease using product immediately. Avoid eye contact, Limit skin contact.

**Personal Hygiene:** Wash all exposed areas with soap and water to minimize de-fattening of skin and any possible dermal irritation.

**Exposure Guidelines:** OSHA/PEL/TWA: No limits established.

## Section 9 - Physical & Chemical Properties

**Appearance/Odor:** Viscous, straw-colored liquid, fresh odor.

**Boiling Point:** > 212°F

**Freezing Point:** < 32°F

**Vapor Pressure:** (mm Hg) N/A

**Specific Gravity:** 1.04 @ 25°C

**Vapor Density:** (Air = 1) N/A

**Solubility in Water:** 100% soluble

**pH:** 9.4 - 9.6

**Flash Point:** None to boiling

**F% Volatile:** < .1%

**LEL/UEL:** None Known

**Auto-Ignition Temperature:** Not Determined

## SECTION 10 - Stability & Reactivity

**Stability:** Product is stable

**Polymerization:** Will not occur

**Conditions to Avoid:** Elevated temperatures.

**Conditions/Materials to Avoid:** Strong oxidizing agents.

**Hazard Decomposition Products:** Oxides of Carbon.

## SECTION 11 - Toxicological Information

**Hazardous Ingredients:** No constituents are hazardous as defined in 29 CFR 1910.1200. All chemical ingredients in this formulation appear in whole or in part on the following inventories. CAS, EINECS, CEPA as well as others.

As no ingredients are considered hazardous, no specific toxicological studies have been done.

**Eye, Skin, Acute Oral & Acute Inhalation Effects:** The irritation hazard/toxicity is based on data from information supplied by raw material(s) supplier(s).

**Carcinogens:** This product does not contain any known or anticipated carcinogens according to the criteria of the NTP Annual Report on Carcinogens and OSHA 29 CFR 1910, Z.

## SECTION 12 - Ecotoxicity

**Data from laboratory studies and from scientific literature is noted below if available.**

Liquid soap product is totally water soluble. All ingredients are considered biodegradable.

## SECTION 13 - Disposal Information

**Waste Disposal:** Follow Local, State or Federal Regulations, whichever is applicable.

## SECTION 14 - Transportation Information

The data provided in this section is for information only. The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate regulations to properly classify your shipment for transportation.

**Proper Shipping Name:** D.O.T. NON-REGULATED – Floor Cleaner & Drain Maintainer

**Reportable Quantity:** None

**Hazard Class & Label:** Non-Regulated

**UN Number:** None

**NA Number:** None

**Packaging Size:** 5oz Portion Packs, 1 Gallon jugs, 55 gallon drums, 270/330 gallon totes and bulk tankers.

## SECTION 15 - Regulatory Information

**EPA Acute:** Yes (eyes)

**EPA Chronic:** No

**EPA Ignitability:** No

**EPA Reactivity:** No

**EPA Sudden Release of Pressure:** No

**CERCLA RQ Value:** None

**SARA TPQ & RQ:** None

**EPA Hazard Waste #:** None

**Clean Air & Water:** N/A

**SARA Section 313:** No

**DEA Chemical Trafficking Act:** N/A

**TSCA Status:** All ingredients are on list.

## SECTION 16 - Additional Information

**NFPA Rating:** Health-1; Flammability-0; Reactivity-0

**HMIS Rating:** Health-1; Flammability-0, Reactivity-0; Specific Hazard-Alk