

BIONIX Biological Cleaner / SDS



Issue Date: 31-JUL-2015

1. IDENTIFICATION

Product Name: BIONIX
Other means of identification: Biological Cleaner
Recommended use: Probiotic deep cleaning for carpet and grout
Prepared by: Safety Department
Source: US Formula Technology / 1000 McFarland 400 Blvd / Alpharetta, GA 30004 USA
Company Phone Number: 770-813-0008 or 800-728-7972 / Fax: 770-813-0470
Emergency Telephone Number (24 Hours): 1-800-535-5053 INFOTRAC (USA) / International: 001-352-323-3500

2. HAZARDS IDENTIFICATION

Signal word: unnecessary

Appearance: Opaque white watery liquid
Odor: Pleasant

Precautionary Statements: **PREVENTION**
Recommend safety glasses whenever splashing is possible.
Recommend waterproof gloves.

Precautionary Statements: **RESPONSE**

IF IN EYES: Considered to have a low order of toxicity. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Go to Emergency Room doctor/physician if you feel unwell.

IF ON SKIN (or hair): Considered to have a low order of toxicity. Remove/Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower.

IF INHALED: Considered to have a low order of toxicity. Remove victim to fresh air and keep at rest. Go to Emergency Room doctor/physician if you feel unwell.

IF SWALLOWED: Considered to have a low order of toxicity. Rinse mouth. Do NOT induce vomiting (aspiration hazard). Go to Emergency Room doctor/physician if you feel unwell.

IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

Precautionary Statements: **STORAGE**
Keep container tightly closed. Keep out of reach of children.

Precautionary Statements: **DISPOSAL**
Send to sanitary drain line. Do not allow to escape into natural waterways.

Hazards not otherwise classified (HNOC): Not Applicable

Other Information: Considered to have a low order of toxicity

3. COMPOSITION / INFORMATION on INGREDIENTS

Chemical Name	CAS No	Weight-%
Deionized water	7732-18-5	85-95
Alkyl polyglycoside C10-16	110615-47-9	< 5
Alkyl polyglycoside C8-10	68515-73-1	< 5
Opacifier & Fragrance	trace	

4. FIRST AID MEASURES

INHALATION: Unlikely. Low toxicity. Remove to fresh air.

EYE CONTACT: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If adverse health effects develop seek medical attention.

INGESTION: Low toxicity. Rinse mouth. DO NOT induce vomiting (aspiration risk). Drink plenty of water. If adverse health effects develop seek medical attention.

SKIN CONTACT: Low toxicity. Wash off with plenty of water. Take off contaminated clothing and wash before reuse. If adverse health effects develop seek medical attention.

Note to physicians: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray (fog). Alcohol resistant foam. Dry chemical.
Unsuitable Extinguishing Media: Not determined.
Specific hazards arising from the chemical: Keep containers cool.
Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use recommended personal protective equipment.
Spills may be slippery. Prevent foot traffic.
Environmental precautions: Do not discharge outside. Do not permit to escape directly into creeks or other natural waterways.
Methods for containment: Slippery! Prevent further leakage or spillage if safe to do so. Methods for cleaning up spills: Prevent traffic. Reclaim liquid with wet vacuum, autoscrubber or mop and bucket. Rinse area with water and dry before permitting traffic.

7. HANDLING AND STORAGE

Precautions for safe handling:
Wash after handling. Do not eat, drink or smoke when using this product.
Use personal protection recommended in Section 8.
Protect product quality by keeping containers tightly closed when not in use, avoid pouring unused material back into original container.
Never use food or beverage containers to measure or transport this product.
Empty containers contain residues and should not be used for food or beverage.

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children and pets. Protect from direct sunlight. Store at 40-95°F.
Packaging materials: Keep in original container. Proper secondary labelling is available.
Incompatible materials: Bleach, strong acids, materials which react with water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Engineering Controls: Not determined
Appropriate Personal Protective Equipment:
Eye/face protection: Safety glasses recommended if splashing possible
Skin and body protection: Any waterproof gloves, such as latex, nitrile, etc.
Respiratory protection: Under normal conditions, respirator is not required.
General Hygiene: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

pH	6-8	Specific gravity	1
Melting point/freezing point	Not determined	Water solubility	soluble
Boiling point/boiling range	100 °C / 212 °F	Solubility in other solvents	Not determined
Flash point	Not determined	Partition coefficient	Not determined
Evaporation rate	1.0	Autoignition temperature	Not determined
Flammability (solid, gas)	n/a-liquid	Decomposition temperature	Not determined
Flammability limits in air:		Kinematic viscosity	Not determined
Upper flammability limit	Not determined	Dynamic viscosity	Not determined
Lower flammability limit	Not determined	Explosive properties	Not determined
Vapor pressure	Not determined	Oxidizing properties	Not determined
Vapor density	Not determined	% Volatiles (water)	> 90%

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions
Chemical stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: None under normal processing.
Hazardous polymerization: Hazardous polymerization does not occur.
Conditions to avoid: Incompatible materials. Heat which might compromise packaging.
Incompatible materials: acids, alkalines, caustics, halogens, etc. which react with water
Hazardous Decomposition Products: Carbon oxide gases

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
Inhalation: Non toxic.
Eye contact: Non toxic but irritating as soap
Skin Contact: Non toxic.
Ingestion: Non toxic.
Information on physical, chemical and toxicological effects: please see Section 4.
Contains no known carcinogens, hormone disruptors, bioaccumulatives, formaldehyde, phosphates, NTA, EDTA, APEOs. Virtually free of VOCs (Volatile Organic Compounds).

12. ENVIRONMENTAL INFORMATION

Contains readily biodegradable plant based ingredients. Do not discharge into natural waterways since most detergents, even biodegradable ones, damage fish gills. Contains no known carcinogens, hormone disruptors, bioaccumulatives or formaldehyde. No NTA, EDTA, APEOs or phosphates. Virtually free of VOCs (Volatile Organic Compounds).

13. DISPOSAL CONSIDERATIONS

Discharge to "sanitary" drain leading to a sewerage treatment plant. Contains readily biodegradable plant based ingredients. Do not discharge to "storm" drains leading to natural waterways since all detergents, even biodegradable ones, damage fish gills. Dispose of wastes in accordance with applicable regional, national and local laws and regulations. Packaging may be recycled.

14. TRANSPORT INFORMATION Not regulated.

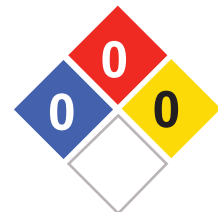
15. REGULATORY INFORMATION Not regulated.

16. OTHER INFORMATION

Marketing info next page.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.
The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



BIONIX

Biological Cleaner

This pro-biotic solution consumes organic sources of malodors. Disintegrates urine, vomit, blood, feces, sodas, coffee, milk, wine, vegetable oils and animal fats deep inside grout and carpeting by the same powerful enzymatic action employed in sewerage treatment plants. It continues working for days if conditions are right. Helps maintain floor drains and air-conditioner condensate pads. Use straight, or pre-activate one part product with 4 parts warm water.

- **Shake before use** to integrate active sediment on bottom of container.
- Dilute with warm (not hot) water.
- Use all diluted product in the same day. Flush day-old solutions.

Floors: use 2 oz per gal for streakless tile floors. Thoroughly wet any grout for maximum effect.

Restrooms: swab urinals, toilet bowls and tile-surrounds to suppress odors.

Carpets: saturate surface. Let stand for 5 minutes. Blot with clean paper towels, or extract. Re-apply and repeat or, if traffic permits, place a warm, damp towel over the spot with wet floor sign. Keep the area warm and wet for a few hours to prolong digestive activity.

Sink and Drain Maintenance: mix 3 ounces concentrate to a quart of warm (not hot) water. Pour into drain at end of day or when drain flow is lowest and let stand.

Grease Traps: pour 3-6 ounces daily into medium sized traps and 8-10 ounces daily into larger traps at night or when water flow is lowest. Apply to the farthest sink or floor from the trap. After adding product, pour 1/2 gallon of warm water in drain to activate.

Spray and wipe: use straight

Plant-based and readily biodegradable. No APE detergents or VOC solvents.

NOT for use on surfaces damaged by water.

Shipping units: 4/1-gal box Wt: 38 lbs (17 kg) and 5-gallon pail Wt: 45 lbs (20.5 kg)

Revised: 05/08/15



US Formula Technology
1000 McFarland 400 Blvd.
Alpharetta, GA 30004 USA

USA: 800/ 728-7972
Tel: 770/ 813-0008
Fax: 770/ 813-0470