



Biologically enhanced cleaning formula to naturally remove organic debris



SUPERIOR RESULTS!

 Synergized bacterial blend to optimally remove organic build-ups, such as greases, fats, oils, carbohydrates & proteins.

 Thickened formulation engineered for optimum surface cling.

 Ready-to-use with extra-long shelf life.

 Bio-degradable, non-toxic, non-caustic, non-corrosive, salmonella-free and pathogen-free.

 Reduces foul odors, improves drain flow and is gentle on all drain lines.

 Fresh Citrus Scent.

1. IDENTIFICATION

Product Name:	Bio-Gel
Product Description:	Biologically enhanced cleaning formula to naturally remove organic debris.
Applications:	Industry specific application.
Supplier:	PestWest USA LLC 7135 16th Street E, Suite 124 Sarasota, FL, 34243
Telephone No:	941-358-1983
Emergency Tel No:	800 424 9300 (U.S.) +1 (703) 527 3887 (outside the U.S.)

2. HAZARD(S) IDENTIFICATION

Classification of the substance or mixture:	The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.
GHS label elements:	Non-Regulated Material
Hazard Pictograms	Non-Regulated Material
Signal Word:	Non-Regulated Material
Hazard statements:	Non-Regulated Material
Classification system: NFPA ratings (scale 0 - 4)	 HEALTH = 0 FIRE = 0 REACTIVITY = 0
Classification system: HMIS ratings (scale 0 - 4)	 HEALTH = 0 FIRE = 0 REACTIVITY = 0
Hazard(s) not otherwise classified (HNOC)	None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Non-hazardous components:	7732-18-5 Water, distilled water, deionized water	90-99%
Chemical characterization:	Mixtures	
Description:	Mixture: consisting of the following components. None listed.	
Dangerous components	Non-Regulated Material	

4. FIRST-AID MEASURES

General information	No special measures required.
After inhalation:	Generally the product does not irritate with inhalation. Supply fresh air; consult doctor in case of complaints.
After skin contact:	Generally the product does not irritate the skin. Wash with soap and water. If skin irritation occurs, consult a doctor.
After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	If swallowed and symptoms occur, consult a doctor.
Information for doctor:	
Most important symptoms and effects, both acute and delayed:	No further relevant information available.
Indication of any immediate medical attention and special treatment needed:	No further relevant information available.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	
Suitable extinguishing agents:	CO ₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Special hazards arising from the substance or mixture:	If incinerated, product will release the following toxic fumes: Carbon Oxides, Sodium Oxides, Sulfur Oxides and Nitrogen Oxides (NO _x).
Advice for firefighters:	
Protective equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Not required.
Environmental precautions:	No special measures required.
Methods and material for containment and cleaning up:	Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation. Dispose of the collected material according to regulations.
Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. HANDLING AND STORAGE

Handling	
Precautions for safe handling:	No special measures required.
Information about protection against explosions and fires:	No special measures required.
Conditions for safe storage, including any incompatibilities:	Store away from strong acids, strong bases and strong oxidizing agents.
Storage	
Requirements to be met by storerooms and receptacles:	No special requirements.
Information about storage in one common storage facility:	Not required.
Further information about storage conditions:	None
Specific end use(s):	No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:	No further data; see section 7.	
Control parameters:	All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.	
Components with occupational exposure limits:	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.	
Additional information:	The lists that were valid during the creation of this SDS were used as basis.	
Exposure controls:		
General protective and hygienic measures:	The usual precautionary measures for handling chemicals should be followed.	
	• Breathing equipment: • Protection of hands: • Material of gloves: • Penetration time of glove material: • Eye protection:	- Not required. - Not required. - Not required. - Not applicable.  Goggles recommended during refilling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties General Information	
FORM:	Gel
COLOR:	Orange
ODOR:	Mild
Odor threshold:	Not determined.
pH-value @ 20 °C (68 °F)	7
Change in condition	- Melting Point/Melting Range: Not determined - Boiling Point/Boiling Range: 100°C (212°F)
Flash point:	None
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	Not applicable.
Decomposition temperature:	Not determined.
Auto igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.

Explosion limits:	- Lower - Not determined. - Upper - Not determined.
Vapor pressure:	Not determined.
Relative density:	Not determined.
Vapor density:	Not determined.
Evaporation rate:	Not determined.
Solubility in / Miscibility with:	Water: Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	Dynamic: Not determined. Kinematic: Not determined.
Solvent content:	- Organic Solvents: 0.2% - Water: 98.9% - VOC content: 0.2% - Solids content: 0.2%
Other information:	No further relevant information available.

10. STABILITY AND REACTIVITY

Reactivity:	No further relevant information available.
Chemical stability:	Stable under normal conditions.
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	No further relevant information available.
Incompatible materials:	Strong acids, strong bases and strong oxidizing agents.
Hazardous decomposition products:	No dangerous decomposition products known. Oxides of Carbon, Sodium, Sulfur and Nitrogen (NO _x).

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:	The toxicity of this product is unknown.
Acute toxicity	
Primary irritant effect:	On the skin: No irritating effect. In the eye: No irritating effect. Additional toxicological information: The product is not subject to classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
Carcinogenic categories:	IARC (International Agency for Research on Cancer): - Group 1 - Carcinogenic to humans - Group 2A - Probably carcinogenic to humans - Group 2B - Possibly carcinogenic to humans - Group 3 - Not classifiable as to its carcinogenicity to humans - Group 4 - Probably not carcinogenic to humans - None of the ingredients are listed. NTP (National Toxicology Program): None of the ingredients are listed. OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed.

12. ECOLOGICAL INFORMATION

Toxicity:	The hazards for the aquatic environment are unknown.
Aquatic toxicity:	No further relevant information available.
Persistence and degradability:	No further relevant information available.
Behavior in environmental systems:	
Bioaccumulative potential:	No further relevant information available.
Mobility in soil:	No further relevant information available.
Additional ecological information:	
General notes:	Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment:	
PBT:	Not applicable.
vPvB:	Not applicable.
Other adverse effects:	No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:	
Recommendation:	Smaller quantities can be disposed of with household waste. Observe all federal, state and local environmental regulations when disposing of this material.
Uncleaned packagings:	
Recommendations:	Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

UN-Number:	DOT, ADN, IMDG, IATA - Non-Regulated Material ADR / ADN - Non-Regulated Material
UN proper shipping name:	DOT, ADR/ADN, ADN, IMDG, IATA - Non-Regulated Material
Transport hazard class(es):	DOT, ADR/ADN, ADN, IMDG, IATA - Non-Regulated Material
Class:	Non-Regulated Material
Packing group:	DOT, ADR/ADN, IMDG, IATA - Non-Regulated Material
Environmental hazards:	Not applicable.
Special precautions for user:	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
UN "Model Regulation"	Non-Regulated Material

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:	
SARA (Superfund Amendments and Reauthorization):	
Section 355 (extremely hazardous substances):	None of the ingredients are listed.
Section 313 (Specific toxic chemical listings):	52-51-7 bronopol (INN)
TSCA (Toxic Substances Control Act):	All ingredients are listed or exempt from listing.
California Proposition 65:	
Chemicals known to cause cancer:	None of the ingredients are listed.
Chemicals known to cause reproductive toxicity for females:	None of the ingredients are listed.
Chemicals known to cause reproductive toxicity for males:	None of the ingredients are listed.
Chemicals known to cause developmental toxicity:	None of the ingredients are listed.
Carcinogenic categories:	
EPA (Environmental Protection Agency):	None of the ingredients are listed.
TLV (Threshold Limit Value established by ACGIH):	None of the ingredients are listed.
NIOSH-Ca (National Institute for Occupational Safety and Health):	None of the ingredients are listed.
GHS label elements	Non-Regulated Material
Hazard pictograms:	Non-Regulated Material
Signal word:	Non-Regulated Material
Hazard statements:	Non-Regulated Material
National regulations:	The product is subject to be classified according with the latest version of the regulations on hazardous substances.
Chemical Safety Assessment	A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

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Abbreviations and acronyms:

No decomposition if used according to specifications.

ADR:	The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN:	The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG:	International Maritime Code for Dangerous Goods
DOT:	US Department of Transportation
IATA:	International Air Transport Association
ACGIH:	American Conference of Governmental Industrial Hygienists
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
NFPA:	National Fire Protection Association (USA)
HMIS:	Hazardous Materials Identification System (USA)
VOC:	Volatile Organic Compounds (USA, EU)
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	Very Persistent and very Bioaccumulative
NIOSH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Safety & Health Administration
TLV:	Threshold Limit Value
PEL:	Permissible Exposure Limit
REL:	Recommended Exposure Limit

*Data compared to the previous version altered

SDS created by MSDS Authoring Services
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SHAKE WELL BEFORE USING.

FOR USE IN AND AROUND:

Commercial, Industrial, Medical and Residential buildings such as: garages, schools, meat packing facilities, food processing facilities, nursing homes, medical and veterinary clinics, and hospitals, mortuaries, offices, supermarkets, restaurants, convenience stores, apartment complexes, transportation, terminals, boat/ships, and many other facilities.

Food and non-food areas such as: dumpsters, drain lines, scuppers, outside drains, statuarys, compactors, overflow lines, grease traps, loading docks, rendering vats, elevator pits, lift stations, trough drains, vault toilets, showers, ceramic tile floors, and many other areas.

Drains: for best results, flush drain with 2-gallons of warm water. BIO-GEL® should be applied at the end of the workday or any other time when the drain will be inactive. Drains with heavy organic build-up should be scrubbed or steamed out to remove heavy debris prior to initial application.

Initial Treatment: depending on conditions, apply 2-8 ounces of BIO-GEL® per drain to establish adequate bacterial colonies throughout the drain line. Using a spray nozzle or the included pouring cap, liberally coat the surrounding areas including grout expansion joints and grade plates. Be certain to coat the interior circumference of the drain.

General Maintenance: apply 2-4 ounces of BIO-GEL® per drain per week.

Surface Area Treatment: BIO-GEL® is designed to be tank mixed for direct application to dumpsters, trash receptacles, dumb waiters, trash chutes, trough vats, and statuarys. Mix at a rate of 4-8 ounces of BIO-GEL® per gallon and apply with a low-pressure hand sprayer, power sprayer or mop bucket. Completely cover the target area.

DO NOT PERMIT TRAFFIC ON THE TREATED AREA UNTIL COMPLETELY DRY.

Foam: mix 1:1 BIO-GEL® to water. A foaming sprayer is required. For additional foam thickness, increase the amount of BIO-GEL®. Repeat application as necessary.

PRECAUTIONARY STATEMENTS

KEEP OUT OF THE REACH OF CHILDREN AND PETS.

If swallowed and symptoms occur, consult a doctor (Poison Control Center 1-800-222-1222).

Generally BIO-GEL® does not irritate with inhalation. Supply fresh air; consult doctor in case of complaints.

If in eyes, rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Wash hands thoroughly with soap after handling. Refer to the SDS for additional information.

STORAGE AND HANDLING: store in a cool dry place. Avoid direct contact with the sun.