PestWest®
www.pestwest.com

PestWest ENVIRONMENTAL

bio-gel® PRO KLEEN

MOP WATER ADDITIVE

ADVANCED FORMULA | SUPERIOR CLEANING

Biologically enhanced cleaning formula to naturally remove organic debris!

SUPERIOR RESULTS!

- Bio-Enzymatic Action Eliminates Organic Build-Ups
- Digests Organic Waste, Grease & Food By-Products
- Non-Pathogenic & Eliminates Odors
- Reduces the Risk of Slips and Falls
- Deodorizes with a Clean Fresh Scent
- Leaves Floors Clean

Safety Data Sheet (SDS)

Trade Name: **Bio-Gel Pro Kleen** | Issue date: **07/13/2017**

1. IDENTIFICATION

Product Name:	Bio-Gel Pro Kleen
Product Description:	Advanced floor cleaner and mop water additive.
Applications:	Industry specific application.
Supplier:	PestWest LLC 4363 Independence Court 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:	GHS07 Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2A H319 Causes serious eye irritation. Skin Sens. 1 H317 May cause an allergic skin reaction.
GHS label elements:	The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard Pictograms:	GHS07
Signal Word:	Warning
Hazer-determining componehts of labelling:	Methyl-Chloro-Isothiazolinone
Hazard statements:	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.
Precautionary statements:	P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+ P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet). P332+P313 If skin irritation occurs: Get medical advice/attention. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P363 Wash contaminated clothing before reuse. P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
Classification system: NFPA ratings (scale 0 - 4)	0 / 1 / 0 HEALTH = 1 FIRE = 0 REACTIVITY = 0
Classification system: HMIS ratings (scale 0 - 4)	HEALTH 1 FIRE 0 REACTIVITY 0 HEALTH = 1 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 of substances listed below with non-hazardous additions.	
Dangerous components:		
68081-81-2	Benzenesulfonic acid Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	2-12%
68002-97-1	Ethoxylated C10-16 Alcohol Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	≤ 2.5%
26172-55-4	Methyl-Chloro-Isothiazolinone Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≤ 2.5%
52-51-7	Bronopol (INN) Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT SE 3, H335	≤ 2.5%

4. FIRST-AID MEASURES

After inhilation:	In case of unconsciousness place patient stably in side position for transportation.
After skin contact:	If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.
After eye contact:	Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	Rinse out mouth and then drink plenty of water.
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:	No further relevant information available.
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:	Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water.
Methods and material for containment and cleaning up:	Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). 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:	Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
Information about protection against explosions and fires:	No special measures required.
Conditions for safe storage, including any incompatibilities:	None
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:	No further relevant information available.
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:	Not applicable
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. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. **Breathing equipment:** Not required. **Protection of hands:** Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation / the chemical mixture. Select glove material based on penetration times, rates of diffusion and degradation. **Material of gloves:** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. **Penetration time of glove material:** The exact break-through time has to be determined and observed by the manufacturer of the protective gloves. **Eye protection:** Tightly sealed goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties: General Information	
FORM:	Liquid
COLOR:	Greenish yellow
ODOR:	Odorless
Odor threshold:	Not determined.
pH-value	Not determined
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:	• 0.0 Vol % • 0.0 Vol %
Vapor pressure @ 20 °C (68 °F):	23 hPa (17 mm Hg).
Relative density:	Not determined.
Vapor density:	Not determined.
Evaporation rate:	Not determined.
Solubility in / Miscibility with:	Water: Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	Dynamic: Not determined. Kinematic: Not determined.
Solvent content:	• Organic Solvents: 0.0% • VOC content: 0.3% • Solids content: 1.5%
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:	No further relevant information available.
Hazardous decomposition products:	No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:	The toxicity of this product is unknown.

Acute toxicity:	
LD/LC50 values that are relevant for classification:	**68002-97-1 Ethoxylated C10-16 Alcohol** Oral LD50 2750 mg/kg (rat) Dermal LD50 3870-8000 mg/kg (rabbit) Inhalative LC50/4 h 0.6 mg/l (daphnia) **52-51-7 bronopol (INN)** Oral LD50 305 mg/kg (rat)
Primary irritant effect:	• **On the skin:** Irritant to skin and mucous membranes. May cause an allergic skin reaction. • **In the eye:** Irritating effect. • **Sensitization:** Sensitization possible through skin contact. • **Additional toxicological information:** The product shows the following dangers according to internally approved calculation methods for preparations: Irritant
Carcinogenic categories:	• **IARC (International Agency for Research on Cancer):** 3844-45-9 FD&C Blue No. 1 | 3 • **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:	Harmful to aquatic organisms.
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:	Generally not hazardous for water.
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:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Uncleaned packagings:	
Recommendations:	Disposal must be made according to official regulations.
Recommended cleansing agent:	Water, if necessary with cleansing agents.

14. TRANSPORT INFORMATION

UN-Number:	DOT, ADR, ADN, IMDG, IATA - Non-Regulated Material
UN proper shipping name:	DOT, ADR, ADN, IMDG, IATA - Non-Regulated Material
Transport hazard class(es):	DOT, ADR, ADN, IMDG, IATA - Non-Regulated Material
Class:	Non-Regulated Material
Packing group:	DOT, ADR, 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):	68081-81-2 Benzenesulfonic acid 8007-02-1 Lemongrass oil (Cymbopogon citratus) 68002-97-1 Ethoxylated C10-16 Alcohol 26172-55-4 Methyl-Chloro-Isothiazolinone 52-51-7 Bronopol (INN) 1934-21-0 FD&C Yellow No. 5 3844-45-9 FD&C Blue No.1 7732-18-5 Water, distilled water, deionized water
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:	The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms:	GHS07
Signal word:	Warning
Hazard statements:	Methyl-Chloro-Isothiazolinon
Hazard statements:	H315 Causes skin irritation H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.
Precautionary statements:	P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+ P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet). P332+P313 If skin irritation occurs: Get medical advice/attention. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P363 Wash contaminated clothing before reuse. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
National regulations:	None of ingredients are listed.
State Right to Know:	A Chemical Safety Assessment has not been carried out.

7732-18-5	Water, distilled water, deionized water	90-99%
68081-81-2	Benzenesulfonic acid Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	2-12%
68002-97-1	Ethoxylated C10-16 Alcohol Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	≤ 2.5%
6132-04-3	Sodium Citrate	≤ 2.5%
52-51-7	Bronopol (INN) Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT SE 3, H335	≤ 2.5%
26172-55-4	5-chloro-2-methyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≤ 2.5%
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.

Date of preparation / last revision:	07/13/2017

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)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
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
Acute Tox. 3:	Acute toxicity – Category 3
Acute Tox. 4:	Acute toxicity – Category 4
Skin Corr. 1B:	Skin corrosion/irritation, Hazard Category 1B
Skin Irrit. 2:	Skin corrosion/irritation – Category 2
Eye Dam. 1:	Serious eye damage/eye irritation – Category 1
Eye Irrit. 2A:	Serious eye damage/eye irritation, Hazard Category 2A
Eye Irrit. 2B:	Serious eye damage/eye irritation, Hazard Category 2B
Skin Sens. 1:	Sensitisation - Skin, Hazard Category 1
STOT SE 3:	Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1:	Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1:	Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2:	Hazardous to the aquatic environment - Chronic Hazard, Category 2

***Data compared to the previous version altered**

SDS created by MSDS Authoring Services
www.msdsauthoring.com
+1-877-240-9106

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, statuaries, 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.

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 statuaries. 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.

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.

DO NOT PERMIT TRAFFIC ON THE TREATED FLOOR 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.