



SAFETY DATA SHEET (SDS)

Date Revised : 01 / 15

Supersedes : 09 / 14

BLUE HEAVEN

**BIOLOGICAL
HEAVY- DUTY
ODOR COUNTERACTANT**

SECTION 1 : IDENTIFICATION OF SUBSTANCE / COMPANY

PRODUCT NAME / IDENTIFIER :	" BLUE HEAVEN "
PRIMARY APPLICATION / RECOMMENDED USAGE :	Bio-Engineered with ' Live ' Bacterial / Enzymatic cultures which engulf and digest odor producing bacteria. Also, boosts the digestion of organic waste in plumbing lines .
DISTRIBUTED EXCLUSIVELY BY :	HEALTHY CLEAN BUILDINGS 4 Wilmington Drive Melville, New York 11747
INFORMATION TELEPHONE :	1-631-643-1882
EMERGENCY TELEPHONE :	1-631-377-7772
USAGE RESTRICTIONS :	Refer to Product Label

SECTION 2 : HAZARD(S) IDENTIFICATION

Made with a Biodegradable Blend of Surfactants Fortified with Non-pathogenic , Enzymatic / Bacterial spores + a Instant Odor Control -- "Pure Aire" Fragrance . In its normal , packaged form , this product does not present any hazards . The hazards listed below are for direct contact with relatively large amounts of Blue Heaven .

Classification of the substance or mixture
(GHS-US)

Hazard Category 5 : Toxicity , Oral (Chapter 3.1)

Hazard Category 3 : Skin Irritation (Chapter 3.2)

Hazard Category 2b : Eye Irritation (Chapter 3.3)

Label Elements

Hazard Pictograms
(GHS-US Labeling)



Skin & Eye Irritant

Signal Word :

Warning

Hazard Statements :

H303 : May Be Harmful If Swallowed .

H316 : May Cause Mild Skin Irritation .

H320 : May Cause Eye Irritation .

Precautionary Statements :

P101 : If medical advice is required, have product container or label available .

P102 Keep Out of Reach of Children

P103 . Read Label Before Use .



BLUE HEAVEN

BIOLOGICAL HEAVY- DUTY ODOR COUNTERACTANT

Precautionary Statements (continued)

P264 : In the Event of Direct Contact , Wash Hands and Forearms Thoroughly After Handling
P305+P351+P338 – If In Eyes via Direct Contact , Rinse Cautiously with Water for Several Minutes .
If Easy To Do, Remove Contact Lenses .Continue Rinsing
P337+P313 – If Eye Irritation Persists , Get Medical Advice / Attention .

Other Hazards : Viable Bacterial Cultures used are Non-Pathogenic but can cause infection when in direct contact with open wounds .
These micro-organisms are susceptible to many commonly used antibiotics . Greater chance of eye irritation .
Ingredients with Unknown Acute Toxicity : None

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS :

Chemical characterization : Mixture

Hazardous Components : N / A

There are No OSHA Hazardous Substances in this product. The exact percentage of ingredients in this product have been withheld as trade secrets . Any hazards associated with this finished product are listed in SECTION 2 of this SDS .

“ Blue Heaven ” Ingredient Disclosure :

<u>Ingredient :</u>	<u>CAS Number :</u>	<u>Percent :</u>
. Non – Ionic Surfactant Blend	9016 – 45 - 9	40-80 %
. Bacterial Spores	Proprietary	< 0.5 %
. Fragrance	Proprietary	< 0.1 %
. Ionized Water	7732 – 18 - 5	60-100 %

. NOTE : Approximate percentages – Percentages are withhold as trade secrets

SECTION 4 : FIRST AID MEASURES

Description of Necessary Measures :

Relevant Routes of Exposure : Skin Contact , Eye Contact , Ingestion

After Inhalation : Supply fresh air . Allow individual to rest .Consult a doctor if adverse conditions persist .

After Skin Contact : Wash with plenty of mild soap and water ; followed by a warm water rinse . Apply a topical antiseptic agent to open wounds or broken skin . Launder soiled , contaminated clothing before reuse . If skin irritation or rash persists, seek medical attention .
(P332+P313)

After Eye Contact : Rinse cautiously with warm running water for 15 minutes . If easy to do, remove contact lenses .Continue water rinsing .
(P 305+P351+P338) If eye irritation persists such as blinking , redness , or pain , seek medical attention . (P337 + P313) .

After Ingestion : Rinse mouth . DO NOT induce vomiting . If patient is fully conscious, continue to rinse mouth with water and drink 2-3 glasses of water .If adverse conditions persist , seek medical attention . Never give anything by mouth if victim is unconscious, rapidly losing consciousness, or is convulsing . Call a Poison Control Center / Doctor / Physician, if necessary (P312) .

After Inhalation : Supply fresh air . Keep individual at rest in a position comfortable for breathing .Consult a doctor if adverse conditions persist (P261) .

Note to Physicians : Treat symptomatically .



BLUE HEAVEN

BIOLOGICAL HEAVY- DUTY ODOR COUNTERACTANT

SECTION 5 : FIRE FIGHTING MEASURES :

Suitable Extinguishing Media : This product does not support combustion. Use fire extinguishing media appropriate for surrounding materials , such as Foam, Dry Powder, Carbon Dioxide, Water Spray, or Sand .

Specific Hazards Arising from the Chemical : Dried product is capable of burning . Combustion by-products may be toxic , although unlikely .

Unsuitable Extinguishing Media : None **Flashpoint (°F, °C , PMCC) :** N/A **Flammability :** Not Flammable (Aqueous Solution)

Hazardous Combustion Products : May include Carbon Monoxide , Carbon Dioxide , and other toxic gases or vapors .

Special Protective Equipment for Fire Fighters : Use protective equipment appropriate for firefighting surrounding materials . When necessary, wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear . Cool fire-exposed containers with water spray ,

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Environmental Precautions : Ventilate area . Avoid contact with skin, eyes, or clothing . Absorb excess product for disposal with inert solids (ie : sand, clay) as soon as possible . Flush remaining product from spill with water to clean up residue . Absorb slurry with an appropriate liquid-binding absorbent (ie : sand, diatomite , universal binders , sawdust) . Clean contaminated surfaces thoroughly . Store leaky container away from other materials . Make best efforts to prevent entry into sewers and public waters. Take extreme measures to prevent large quantities of undiluted concentrated product to reach ground water, water course, or sewage system . Dispose of material and container in accordance with local, state, national , and international regulations .

SECTION 7 : HANDLING & STORAGE REQUIREMENTS

KEEP OUT OF REACH OF CHILDREN & PETS

Precautions for Safe Handling : Read product literature, label , and SDS before use . Use product strictly according to label directions .

Wash hands and other exposed areas with soap and water before eating, drinking, smoking; or when leaving work . Provide adequate ventilation in storage area to prevent formation of fumes . Avoid personal contamination, especially inhalation , after a spill .

Hygiene Measures : Wash hands and forearms thoroughly after handling . Launder soiled, contaminated clothing before re-use .

Safe Storage Conditions : Keep in original container in a cool , well-ventilated place away from open flames . Keep container closed when not in use. Avoid excessive heat . Avoid freezing product as separation will occur .

Incompatible Products : Isolate from Disinfectants , High pH Alkalis , Low pH Acids, Strong Oxidizers may inactivate bacterial cultures .

Incompatible Circumstances : Sources of Ignition (ie ; open flames) . Direct sunlight . Keep from Freezing .

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Healthy & Safety Accreditation : Enzyme - Driven

Workplace Control Parameters : If work practices generate dust, fumes, gas, vapors, or mists which expose individuals to abnormal exposure above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered .

Engineering Controls : Adequate general ventilation

Personal Protective Equipment : When using this product as directed on the product label , no protective equipment is necessary . Take normal precautions when using any biological – based product .

Respiratory Protection : May not be required under normal conditions of use . Otherwise, use appropriate mask

Skin / Hand Protection : May not be required under normal conditions . Otherwise , wear chemical resistant gloves and appropriate protective clothing .

Eye Protection : May not be required under normal conditions . Otherwise , wear chemical goggles, safety glasses , or full face shield .

Other Information : DO NOT eat, drink, or smoke during use .



BLUE HEAVEN

BIOLOGICAL HEAVY- DUTY ODOR COUNTERACTANT

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid	Color : Opaque, White to Creamy	Odor : Fresh Scent
pH (as is) : 6.5 – 7.5	Relative Evaporation Rate (butyl acetate=1) : NA	Melting Point : N/D
Freezing Point : Not Determined	Boiling Point (Initial) : > 212 °F (100 °C)	Flashpoint : ≥ 200 °F (93.3 °C)
Solubility in Water : Soluble	Evaporation Rate (Ethyl Ether=1) : ND	Flammability : No
Explosive Limits : Undetermined	Vapor Pressure : Undetermined	Relative Density : 0.995
Partition coefficient : (n-octanol/water) Undetermined	Auto-ignition Temperature : Undetermined	Decomposition Temp. : Undetermined
Specific Gravity (Water = 1) : 1.00	% VOC (by weight) : ND	

SECTION 10 : STABILITY AND REACTIVITY

Reactivity : No Additional Information Available

Chemical stability : Stable under Normal Conditions (77°F /25°C) .

Possibility of Hazardous Reactions : Reacts with strong oxidizing agents .

Conditions to Avoid : Direct Sunlight . Extremely High or Low Temperatures .

Incompatible Materials : Disinfectants , High pH Alkalis , Low pH Acids , Strong Oxidizers may inactivate bacterial cultures .

Hazardous Decomposition By-products : Carbon Monoxide Fumes(CO) / Carbon Dioxide (CO2)

Fumes Hazardous Polymerization : Will Not Occur

SECTION 11 : TOXICOLOGICAL INFORMATION

Information on Toxicological Effects (“ Blue Heaven ”) : There are No OSHA Hazardous Substances in this product. Any hazards associated with this finished product are listed in SECTION 2 of this SDS .

Likely Routes of Exposure (“ Blue Heaven ”) : Inhalation, Ingestion, Skin Contact, Eye Contact

Inhalation : Little , if any, Irritating Effect . If an allergic reaction does occur , move individual to fresh air .

Skin Contact : Little, if any, Irritating Effect . In extreme cases , if “ Redness ” or Sensitization occurs through direct skin contact , seek the attention of a physician immediately .

Eye Contact : Irritating Effect May Occur Through Direct Contact . In extreme cases , if “redness” and watering of eyes persists , seek the attention of a physician immediately .

Ingestion : None Under Normal Use . In extreme cases , nausea , stomach cramps , or vomiting may occur .

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics (“ Blue Heaven ”) : No Further Information

Available Delayed and Immediate Effects (Chronic Effects from Short and Long Term Exposure) (“ Blue Heaven ”) : No known effects .

Delayed and Immediate Effects (“ Blue Heaven ”) : Unknown.

Chronic Effects (“ Blue Heaven ”) : Unknown.

Teratogenicity, Mutagenicity (“ Blue Heaven ”) : No Data Available

Reproductive Toxicity (“ Blue Heaven ”) : Not Classified

Specific Target Organ Toxicity (Single Exposure) (“ Blue Heaven ”) : Not Classified

Specific Target Organ Toxicity (Repeated Exposure) (“ Blue Heaven ”) : Not Classified

Carcinogenic Categories (“ Blue Heaven ”) : No components present at 0.1 % or greater are listed as being carcinogens by OSHA, ACGIH, IARC, or NTP .

NTP (National Toxicity Program) (“ Blue Heaven ”) : None of the Ingredients are listed

IARC (International Agency for Research on Cancer) (“ Blue Heaven ”) : None of the ingredients are listed .

OSHA (Occupational Safety and Health Administration) (“ Blue Heaven ”) : None of the Ingredients are listed



BLUE HEAVEN

BIOLOGICAL HEAVY- DUTY ODOR COUNTERACTANT

TOXICOLOGICAL INFORMATION (continued) :

Measures of Toxicity by Ingredients : The following Acute Toxicity Estimates (ATE) are calculated on this GHS document . Data not available or is insufficient for classification .

Acute Toxicity : (see table below)

<u>Proprietary Surfactant Blend :</u>	<u>Result :</u>	<u>Species :</u>	<u>Exposure :</u>
	LD50	Rat	Oral = 1378 mg/kg
	LD50	Rabbit	Dermal > 2000 mg/kg
	ATE – US		Oral = 1378.00000000

Symptoms / Injuries After Inhalation : Not Established

Symptoms / Injuries After Skin Contact : Not Established

Symptoms / Injuries after Eye Contact : Not Established.

SECTION 12 : ECOLOGICAL INFORMATION

ENVIRONMENTAL ACCREDITATION : There are No OSHA , WHMIS , or NOM-010-STPS Hazardous Substances in this product .

Any hazards associated with this finished product are listed in SECTION 2 of this SDS .

ECOTOXICITY :

Ingredients : No data available on listed ingredients in SECTION 3 of this SDS .

Ecotoxicity / Species : No data available.

Mobility : This product is miscible in water.

Degradability : This product is expected to be readily biodegradable.

Additional Information : None available

BIOACCUMULATIVE POTENTIAL :

Blue HeavenNot Established

TERRESTRIAL TOXICITY (“ Blue Heaven ”) :No Additional Information Available

MOBILITY IN SOIL (“ Blue Heaven ”) :No Additional Information Available

OTHER ADVERSE EFFECTS :

Effect on Ozone Layer (“ Blue Heaven ”) :No Additional Information Available

Effect on Global Warming (“ Blue Heaven ”) :No Additional Information Available

Other Information (“ Blue Heaven ”) :Avoid Release Into the Environment

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations : Dispose in safe manner in accordance with local / state / federal / international regulations.

Dispose of contents / container in accordance with local/regional/national/ international regulations . May be burned in a chemical incinerator with an afterburner and scrubber after consulting with the waste disposal facility operator and the pertinent authorities while adhering to the necessary regulations .

Ecology – Waste Materials : Avoid release into environment .

Recommended Cleansing Agents : Water Only



BLUE HEAVEN

BIOLOGICAL HEAVY- DUTY ODOR COUNTERACTANT

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations : Dispose in safe manner in accordance with local / state / federal / international regulations. Dispose of contents / container in accordance with local/regional/national/ international regulations . May be burned in a chemical incinerator with an afterburner and scrubber after consulting with the waste disposal facility operator and the pertinent authorities while adhering to the necessary regulations .

Ecology – Waste Materials : Avoid release into environment .

Recommended Cleansing Agents : Water Only

SECTION 14 : TRANSPORT INFORMATION

US DOT, IATA, IMDG, TDG, SCT : This product is not regulated for transport.

ADDITIONAL INFORMATION : No other special precautions with transport are known.

SECTION 15 : REGULATORY INFORMATION

Safety, Health, and Environmental Regulations/Legislation specific for the substance or mixture

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200 :

The Occupational Safety and Health Administration requires Safety Data Sheets to provide any hazards that may be associated with the product and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain additional health hazard information not pertinent to consumer use.

US TSCA INVENTORY STATUS : All chemicals used in this product are either listed on or exempt from the TSCA Inventory.

SARA 302 COMPONENTS : No chemicals used in this product are reportable under SARA Title III, Section 302.

SARA 311/ 312 / 313 COMPONENTS : No chemicals used in this product are reportable under SARA Title III, Section 311-313.

CALIFORNIA PROPOSITION 65 : This product is not known to contain any chemicals currently listed under California Proposition 65 at reportable levels.

MASSACHUSETTS COMMONWEALTH'S RIGHT TO KNOW : No chemicals used in this product are reportable under the Massachusetts Commonwealth's Right to Know Act.

NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW : No chemicals used in this product are reportable under the New Jersey's Right to Know Act.

PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW : No chemicals used in this product are reportable under the Pennsylvania Worker and Community Right to Know Act.

CANADA DSL STATUS : All chemicals used in this product are either listed or exempt.

WHMIS CLASSIFICATION : ND



BLUE HEAVEN

**BIOLOGICAL
HEAVY- DUTY
ODOR COUNTERACTANT**

SECTION 16 : OTHER INFORMATION

HMIS Rating		GHS classification ratings order of severity differ from NFPA and HMIS	
HEALTH	1	HMIS/NFPA Hazard Ratings	GHS Hazard Categories
FLAMMABILITY	0	0= Minimal Hazard	Cat 1 ~ Severe Hazard
PHYSICAL HAZARD	0	1= Slight Hazard	Cat 2 ~ Serious Hazard
PERSONAL PROTECTION	B	2= Moderate Hazard	Cat 3 ~ Moderate Hazard
		3= Serious Hazard	Cat 4 ~ Slight Hazard
		4= Severe Hazard	Cat 5 ~ Minimal Hazard

DISCLAIMER : This document is intended to provide a brief summary of our present knowledge and guidance regarding the use of this material . The information set forth herein has been compiled from sources to be dependable and is believed to be accurate as of the date of issuance . This information is offered in good faith by HEALTHY CLEAN BUILDINGS and no warranty, expressed or implied, is made . The user assumes all liability for any damage or injury resulting from misuse, from any failure to adhere to recommended practices according to product label (and such), or from any hazards inherent in the nature of the product . This document shall not constitute a guarantee for any specific product features and shall not establish a legally valid contracted relationship.

Footnotes : CALC-Calculated; COR-Corrosive; CS-Cancer Suspect Agent; EST-Estimated; HMIS-Hazardous Material Identification System; NA-Not Applicable; ND-No Data ; NE – Data Not Established; OX- Oxidizer; PEL-Permissible Exposure Limit; PPI-Personal Protection Index ; STEL-Short Time Exposure Limit; TLV-Threshold Limit Value; TWA-Time Weighted Average