

SAFETY DATA SHEET

BOTANI-PHASE

SECTION 1- PRODUCT IDENTIFICATION

PRODUCT NAME:.....BOTANI-PHASE DECONTAMINATION DEODORIZER
SYNONYMS:.....Product is a mixture: No synonyms are available.
PRODUCT USE:.....pH Neutral Material
SUPPLIER:HYDRAMASTER CORP.
SUPPLIER'S ADDRESS:11015 47TH AVE W, MUKILTEO, WA 98275, (425) 775-7272
EMERGENCY RESPONSE NUMBER:..PERS: 1-800-633-8253

SECTION 2 – HAZARD IDENTIFICATION

GHS PRODUCT CLASSIFICATION:Eye damage/eye irritation Category 2B.
SIGNAL WORD:Warning
GHS HEALTH HAZARD STATEMENT: H303: May be harmful if swallowed.
H320: Causes eye irritation.
GHS LABEL ELEMENTS:.....The product is classified and labeled according to the Globally Harmonized System (GHS).
P STATEMENTS:P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

CLASSIFICATION SYSTEM: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.
NFPA ratings (scale 0-4):Health = 1, Fire = 0, Reactivity = 0
HMIS ratings (scale 0-5):Health = 1, Fire = 0, Reactivity = 0

SECTION 3 – COMPOSITON/INFORMATION ON INGREDIENTS

Chemical characterization:Mixtures
Description:Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Plant extract/essential oil	< 1	8007-46-3	284-535-7	Eye Irrit: Cat 2B
Nonionic Surfactant	1-5	68439-46-3	266-367-6	Skin Irrit. Cat 2, Eye Irrit. Cat 2A
Sodium Xylene Sulfonate	1-5	1300-72-7	215-090-9	Skin & Inhalation Irrit. Cat 4

Irrit. = Irritation, Corr. = Corrosion, Cat. = Category

SECTION 4 – FIRST AID MEASURES

EYE CONTACT:.....Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. If eye irritation persists: Get medical advice/attention.
SKIN CONTACT:.....Remove contaminated clothing and shoes. Wash affected skin area with soap and water.

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SWALLOWING (INGESTION):.....If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious person. Get immediate medical attention.

INHALATION:Not an inhalation hazard.

OTHER INSTRUCTIONS:None

SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing media appropriate for the source of the fire.

SPECIAL PROTECTIVE EQUIPMENT

AND PRECAUTIONS FOR FIRE FIGHTERS: In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved, positive pressure, self-contained breathing apparatus (SCUBA) and full protective clothing. Evacuate all non-essential personnel from the danger area.

UNUSUAL FIRE AND

EXPLOSION HAZARDS:No further relevant information is available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT

AND EMERGENCY PROCEDURES: ...Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact. The surface of the spill may be slippery.

ENVIRONMENTAL PRECAUTIONS:...Keep spilled material away from sewage/drainage systems and waterways.

METHODS AND MATERIALS FOR

CONTAINMENT AND CLEAN UP:All clean-up personnel must be properly trained. Confine the spill and remove incompatible materials and ignition sources. Ensure adequate ventilation. Secure the source of the leak if conditions are safe. Place waste in an appropriate container for disposal. Use care during clean-up to avoid injury from broken containers.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear proper protective equipment.

CONDITIONS FOR SAFE STORAGE:...Store in closed, properly labeled containers. Protect containers from heat, physical damage, ignition sources and incompatible materials. Have emergency equipment for fires and spills readily available.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

TLV (THRESHOLD LIMIT VALUE):The TLV in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	OSHA PEL – TWA	ACGIH – TLV	ACGIH – STEL
Plant extract/essential oil	Not Established	Not Established	Not Established
Nonionic Surfactant	Not Established	Not Established	Not Established
Sodium Xylene Sulfonate	Not Established	Not Established	Not Established

EYE PROTECTION:Chemical splash goggles or safety glasses.

SKIN PROTECTION:.....Minimize prolonged contact with concentrated product.

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RESPIRATORY PROTECTION:Brief exposure should not require respiratory filter device.
VENTILATION:Adequate ventilation is recommended.
ADDITIONAL MEASURES:Emergency eyewash and safety shower facilities should be available in the immediate work area.
REQUIRED WORK/HYGIENE:Wash hands thoroughly after handling. Keep away from all food stuffs, beverages and feed. Do not eat, drink or smoke in work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:Clear liquid with pleasant fragrance.
ODOR:Mild odor.
ODOR THRESHOLD:Not Available
pH:7.0 - 9.0 AS IS
MELTING POINT/FREEZING POINT: Not available
BOILING POINT:Not available
FLASHPOINT:Not applicable
EVAPORATION RATE:Not Available
FLAMMABILITY:Non flammable, non combustible
LOWER FLAMMABILITY LIMIT:Not applicable
UPPER FLAMMABILITY LIMIT:Not applicable
VAPOR PRESSURE:Not Available
VAPOR DENSITY (AIR=1):Not determined
RELATIVE DENSITY:1.01
SOLUBILITY IN WATER:Soluble in water
PARTITION COEFFICIENT n-OCTANOL/WATER: Not Available
AUTOIGNITION TEMPERATURE:Not Available
DECOMPOSITION TEMPERATURE: .Not Available

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:Stable under recommended storage conditions.
HAZARDOUS CONDITIONS TO AVOID: No decomposition if used according to specifications.
INCOMPATIBLE MATERIALS:Keep away from strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: No dangerous decomposition products known.

SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: ...Plant Extract/Essential Oil

ACUTE TOXICITY:Not available.
CARCINOGENICITY:No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC, ACGIH, NTP, and OSHA.

TOXICOLOGICAL INFORMATION: ...Alcohol Ethoxylate (Nonionic Surfactant)

ACUTE TOXICITY: ACUTE TOXICITY: Acute Dermal LD50 Rabbit: 2000 - 20000 mg/kg, Acute Oral LD50 Rat: 500 - 5000 mg/kg
ACUTE INHALATION TOXICITY:No data available

TOXICOLOGICAL INFORMATION: ...Sodium Xylene Sulfonate

ACUTE TOXICITY: ACUTE TOXICITY: Acute Dermal LD50 Rabbit: > 2000 mg/kg, Acute Oral LD50 Rat: 7200 mg/kg

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ACUTE INHALATION TOXICITY:.....No data available

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:.....Plant Extract Essential Oil

ECOTOXICITY (aquatic and terrestrial, where available):

ACUTE FISH TOXICITY:.....Not available

TOXICITY TO DAPHNIA:.....Not available

PERSISTENCE and DEGRADABILITY: Possibly hazardous short term degradation products are not likely.

BIOACCUMULATIVE POTENTIAL:.....No data available

ECOLOGICAL INFORMATION:.....Alcohol Ethoxylate (Nonionic Surfactant)

ECOTOXICITY:LC50(Fish toxicity,Rainbow trout)1-10 mg/l, 96hr. Value estimated from similar products.

LC50(Fish toxicity,Fathead minnow) 6 mg/l, 96hr. Value estimated from similar products.

EC50(Aquatic invertebrate toxicity, Daphnia)1-10 mg/l, 48hr. Value estimated from similar products.

EC50(Algae toxicity, Skeletonema costatum)1-10 mg/l, 72 hr. Value estimated from similar products.

EC50(Bacterium toxicity, Nitrifying bacteria) 410 mg/l, 4hr. Value estimated from similar products

PERSISTENCE and DEGRADABILITY: Readily biodegradable

BIOACCUMULATIVE POTENTIAL:.....No data available

ECOLOGICAL INFORMATION:.....Sodium Xylene Sulfonate

ECOTOXICITY:EC50 Algae: >= 230 mg/kg, EC50 Daphnia: >= 1000 mg/l, LC50 Rainbow Trout: >= 1000 mg/l.

PERSISTENCE and DEGRADABILITY: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:.....This product must be disposed of in accordance with Federal, state and local environmental regulations.

SECTION 14 – TRANSPORTATION INFORMATION

DOT/IMDG/ IATA PROPER SHIPPING NAME: Not Hazardous

HAZARD CLASS AND LABEL:Not Applicable.

UN NUMBER:.....Not Applicable

PACKAGING GROUP:.....Not Applicable

EPA REPORTABLE QUANTITY (RQ): Not Applicable.

MARINE POLLUTANT:Not listed.

EMERGENCY RESPONSE GUIDE:Not Applicable.

SECTION 15 – REGULATORY INFORMATION

U.N. GHS CLASSIFICATION & LABELING INFORMATION:

CLASSIFICATION:.....Eye Irritant: Category 2B.

SIGNAL WORD:Warning

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HAZARD PICTOGRAMS:.....Not Applicable

U.S. FEDERAL REGULATORY INFORMATION:

LISTED CARCINOGEN:.....Not listed.
TSCA STATUS:The ingredients of this product are listed on TSCA inventory (40CFR 710.)
SARA SECTION 302:.....None
SARA SECTION 312:.....Acute health hazard.
SARA SECTION 313:.....Not listed
NFPA HEALTH:1
NFPA FLAMMABILITY:.....0
NFPA REACTIVITY:.....0

EUROPEAN UNION REGULATORY INFORMATION:

EC CLASSIFICATION:Non Hazardous
DSD/DPD RISK (R) PHRASES:R22: Harmful if swallowed.
R38: Irritating to and skin.
DSD/DPD SAFETY (S) PHRASES:S25: Avoid contact with skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S61: Avoid release to the environment.
S62: If swallowed, do not induce vomiting.
S64: If swallowed, rinse mouth with water if victim is conscious.
DSD/DPD HAZARD SYMBOL:.....Exclamation Mark

CANADIAN REGULATORY INFORMATION:

WHMIS CATEGORY:Not Classified Hazardous
DOMESTIC SUBSTANCES LIST (DSL): Listed
INGREDIENT DISCLOSURE LIST:Listed

SECTION 16 – OTHER INFORMATION

REFERENCES:The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. HydraMaster Corp. assumes no responsibility for injury to any person or property resulting from any use of the material if reasonable safety procedures are not adhered to. Each user assumes the risk in their use of this product

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and should review the data and recommendations in the specific context of their intended use.

FOOT NOTES:NOT EST. = Not Established, N/A = Not Applicable, (Ceil) = TLV ceiling limit.
IMDG:International Maritime Code for Dangerous Goods
DOT:US Department of Transportation
IATA:International Air Transportation Association
ACGIH:American Conference of Governmental Industrial Hygienists
NFPA:National Fire Protection Association (USA)
HMIS:Hazardous Materials Identification System (USA)
LC50:Lethal concentration, 50 percent
LD50:Lethal dose, 50 percent
TOST:Target Organ Systemic Toxicity
DATE PREPARED:JAN 12, 2011
DATE REVISED:JAN 12, 2014