

SAFETY DATA SHEET

Date Issued : 07/16/2020
 SDS No. : AquaDoc Chlorinating Granules
 Date Revised : 07/24/2020
 Revision No : 1

MAVAquaDoc Chlorinating Granules

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MAVAquaDoc Chlorinating Granules
GENERAL USE: Spa and Swimming Pool Sanitizer
PRODUCT DESCRIPTION: Swimming Pool Sanitizer/Water Treatment
ACTIVE INGREDIENT(S): Sodium Dichloro-s-triazinetrione Dihydrate

DISTRIBUTOR

Mav Aqua, LLC.
 1653 Lititz Pike
 Suite 1112
 Lancaster, PA 17601
Emergency Phone: (877) 278-2006
Web: MAVAquaDoc.com

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Acute Toxicity (Oral), Category 4
 Acute Toxicity (Inhalation), Category 2 * (See note below **Hazard Statements**)
 Skin Corrosion/Skin Irritation, Category 1C
 Serious Eye Damage, Category 1
 Target Organ Toxicity (Single exposure), Category 3

Environmental:

Acute Hazards to the Aquatic Environment, Category 1
 Chronic Hazards to the Aquatic Environment, Category 1

GHS LABEL

Skull and
crossbones



Corrosion



Exclamation
mark



Environment

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H302: Harmful if swallowed.
 H314: Causes severe skin burns and eye damage.
 H318: Causes serious eye damage.
 H335: May cause respiratory irritation.
 H410: Very toxic to aquatic life with long lasting effects.
 76078CJQ: H330: Fatal if inhaled. * (See note below)

* **NOTE:** This material in the form as sold is not expected to produce respiratory effects. Particles of respirable size are generally not encountered. The respirable fraction is typically less than 0.1% by weight for the granular and extra granular grades. *If ground or otherwise in a powdered form*, effects similar to a corrosive substance may occur. Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngeospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.

PRECAUTIONARY STATEMENT(S)**Prevention:**

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

SAFETY DATA SHEET

Date Issued : 07/16/2020
 SDS No. : AquaDoc Chlorinating Granules
 Date Revised : 07/24/2020
 Revision No : 1

MAVAquaDoc Chlorinating Granules

P285: In case of inadequate ventilation wear respiratory protection.
 4304ZF6P: Wash exposed skin thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P271: Use only outdoors or in a well-ventilated area.
 P273: Avoid release to the environment.

Response:

P330: Rinse mouth.
 P391: Collect spillage.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P363: Wash contaminated clothing before reuse.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P310: Immediately call a POISON CENTER/doctor/...

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P405: Store locked up.

Disposal:

P501: Dispose of contents/container to ...

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Dichloro-s-triazinetrione Dihydrate	99	51580-86-0

COMMENTS: 55.0 - 56.0% active chlorine

4. FIRST AID MEASURES

EYES: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. See a doctor immediately.

SKIN: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: Get medical attention immediately. Have person sip a glass of water, if able to swallow. Do not induce vomiting unless told to do so.

INHALATION: Move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible.

NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use massive amounts of water. Do not use dry chemicals, carbon dioxide, halogenated agents.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus in pressure-demand mode and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine, nitrogen trichloride, hydrogen trichloride, nitrogen oxide, and carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Sweep up spill with a dry broom into suitable container for disposal.

RELEASE NOTES: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, or oceans Do not flush into surface water or sanitary sewer systems.

SAFETY DATA SHEET

Date Issued : 07/16/2020
SDS No. : AquaDoc Chlorinating Granules
Date Revised : 07/24/2020
Revision No : 1

MAVAquaDoc Chlorinating Granules

COMMENTS: Avoid inhalation and contact with eyes and skin. Use personal protective equipment.

7. HANDLING AND STORAGE

HANDLING: Wear proper protective equipment in order to avoid contact with eyes or skin. Remove and wash contaminated clothing before re-use. Do not breathe vapors/dust. Do not eat, drink or smoke when using this product. Use only in area with appropriate exhaust ventilation.

STORAGE: Keep product in tightly closed container when not in use. Store in a cool, dry, well-ventilated area away from heat or open flame. Keep storage room temperature under 40 degrees C. Do not store with water, oxidizing agents, alkalies, grease, reducing agents and acids. Keep out of reach of children.

COMMENTS: Incompatible Products: Strong oxidizing agents. Strong bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Sodium Dichloro-s-triazinetrione Dihydrate	OSHA PEL	TWA	[1]	[1]
	ACGIH TLV	TWA	[2]	[2]
	Supplier OEL	TWA	[3]	[3]
Footnotes:				
1. 15 mg/m ³ (total dust) TWA; 5 mg/m ³ (respirable) 8-hr TWA for Particulates Not Otherwise Regulated				
2. 3 mg/m ³ (respirable) TWA; 10 mg/m ³ (inhalable) TWA - for Particulates Not Otherwise Classified				
3. The TLV for Chlorine is 0.5 ppm (1.5 mg/m ³) TWA and 1ppm STEL.				

ENGINEERING CONTROLS: Ventilation systems, eyewash stations, showers.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical safety goggles.

SKIN: Chemical-resistant gloves.

RESPIRATORY: A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. The added protection of a full face-piece respirator is required when visible dusty conditions are encountered and eye irritation may occur. Acid gas cartridges with N95 filters are required when fumes or vapor may be generated. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

PROTECTIVE CLOTHING: Wear impervious long-sleeved clothing to minimize skin contact.

WORK HYGIENIC PRACTICES: When using, do not eat, drink or smoke. Remove and wash contaminated clothing before reuse. Provide regular cleaning of equipment, work area and clothing.

OTHER USE PRECAUTIONS: Protective material: Butyl rubber, natural rubber, neoprene, nitrile, polyvinyl chloride (PVC), Tyvek.

COMMENTS: Exposure limits for Air Contaminants (OSHA)

Particulates not otherwise regulated: Total dust; TWA 15 mg/m³; Respirable fraction: TWA 5 mg/m³

Exposure Limits for Air Contaminants (ACGIH)

Particulates (insoluble or poorly soluble) - Respirable Particles: TWA 3 mg/m³; Inhalable Particles: TWA 10 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

SAFETY DATA SHEET

Date Issued : 07/16/2020
 SDS No. : AquaDoc Chlorinating Granules
 Date Revised : 07/24/2020
 Revision No : 1

MAVAquaDoc Chlorinating Granules

ODOR: Mild chlorine.
APPEARANCE: White granular.
pH: 6.5 (1% solution.)
FLASHPOINT AND METHOD: Not Applicable
FLAMMABLE LIMITS: 0 to 0
Notes: Non-flammable.
VAPOR PRESSURE: 100
VAPOR DENSITY: 100
BOILING POINT: Not Applicable
FREEZING POINT: Not Applicable
THERMAL DECOMPOSITION: May generate heat at 45 degrees C or higher.
SOLUBILITY IN WATER: 26.25 g/100g at 25°C
EVAPORATION RATE: Not Applicable
DENSITY: 16.69 at (68°F)
SPECIFIC GRAVITY: 2
VISCOSITY: Not Applicable
(VOC): 1

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.
STABILITY: Stable under recommended storage conditions.
CONDITIONS TO AVOID: Heat, direct sunlight, water and moisture. (Keep product under 40 degrees C.)
HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine, nitrogen trichloride, hydrogen chloride, nitrogen oxide, carbon monoxide, carbon dioxide, and nitrogen.
INCOMPATIBLE MATERIALS: Acid, alkali, other chlorine agents, oils/fats, and flammable materials.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
Sodium Dichloro-s-triazinetrione Dihydrate	1800 mg/kg (rat)	> 5000 mg/kg (rabbit)

DERMAL LD₅₀: > 2000 mg/kg - Rabbit

ORAL LD₅₀: 1823 mg/kg - Rat

Notes: Merck

INHALATION LC₅₀: 0.27 to 1.17 mg/L (4hr)

Notes: This material in the form as sold is not expected to produce respiratory effects. Particles of respirable size are generally not encountered. The respirable fraction is typically less than 0.1% by weight for the granular and extra granular grades. If ground or otherwise in a powdered form, effects similar to a corrosive substance may occur. Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngeospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.

GERM CELL MUTAGENICITY: AMES Test: Negative (*Test substance: monosodium cyanurate*)

Mouse Lymphoma Assay: Negative (*Test substance monosodium cyanurate*)

CARCINOGENICITY

SAFETY DATA SHEET

Date Issued : 07/16/2020
 SDS No. : AquaDoc Chlorinating Granules
 Date Revised : 07/24/2020
 Revision No : 1

MAVAquaDoc Chlorinating Granules

NOTES: Not classified as a carcinogen by NTP, IARC or OSHA.

REPRODUCTIVE TOXICITY: Not Available

STOT-SINGLE EXPOSURE: Breathing dust or fumes is expected to be a primary route of exposure. May produce throat and respiratory tract irritation.

12. ECOLOGICAL INFORMATION

BIOACCUMULATION/ACCUMULATION: This product is not expected to bioaccumulate.

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: 0.42 mg/L (Oryzias latipes)

CHEMICAL FATE INFORMATION: Decomposable in nature.

0% by BOD after 14 days. 7.8% by TOC after 14 days. 5.3% by HPLC after 14 days.

100% in aerobic activated sludge after 8 hours. 100% in anaerobic sludge after 72 hours. 52% - 100% in aerobic activated sludge after 9-23 days.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Environmentally hazardous substance, soild, n.o.s.

PRIMARY HAZARD CLASS/DIVISION: 9

UN/NA NUMBER: 3077

PACKING GROUP: III

OTHER SHIPPING INFORMATION: Marine Pollutant

SPECIAL SHIPPING NOTES: DOT Special Provision #28 states "The dihydrated sodium salt of dichlorisocyanuric acid is not subject to the requirements of this subchapter."

AIR (ICAO/IATA)

SHIPPING NAME: Environmentally hazardous substance, soild, n.o.s.

TECHNICAL NAME: UN3077, Environmentally hazardous substance, soild, n.o.s. (Sodium dichloroisocyanurate dihydrate), 9, PG III

UN/NA NUMBER: 3077

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

ERG: 9L

NOTE: Marine Pollutant

VESSEL (IMO/IMDG)

SHIPPING NAME: Environmentally hazardous substance, soild, n.o.s.

TECHNICAL NAME: UN3077, Environmentally hazardous substance, soild, n.o.s. (Sodium dichloroisocyanurate dihydrate), 9, PG III

UN/NA NUMBER: 3077

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

EmS: F-A, S-F

NOTE: Marine Pollutant

SAFETY DATA SHEET

Date Issued : 07/16/2020
 SDS No. : AquaDoc Chlorinating Granules
 Date Revised : 07/24/2020
 Revision No : 1

MAVAquaDoc Chlorinating Granules

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Hazard Categories: Health: Immediate (Acute) Health Hazard

313 REPORTABLE INGREDIENTS: None.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

REGULATIONS

STATE REGULATIONS: Massachusetts Hazardous Substance - Yes
 Pennsylvania Hazardous Substance - Yes

CALIFORNIA PROPOSITION 65: None of the ingredients are listed as carcinogens.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Below you will find the hazard information that is required on the EPA pesticide label.

GENERAL COMMENTS: HAZARD INFO FOUND ON SODIUM DICHLOROISOCYANURIC ACID EPA LABEL:

Hazards to humans and domestic animals.

DANGER. Corrosive.

Causes irreversible eye damage.

May be fatal if inhaled. Do not breathe dust

Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin.

Strong oxidizing agent.

Toxic to fish and aquatic organisms.

16. OTHER INFORMATION

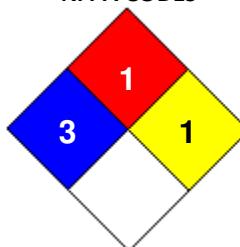
Date Revised: 07/24/2020

REVISION SUMMARY: This SDS replaces the 07/16/2020 SDS. Revised: **Section 1:** SDS No..

HMIS RATING

HEALTH	□	3
FLAMMABILITY	□	1
PHYSICAL HAZARD	□	1
PERSONAL PROTECTION	□	F

NFPA CODES



MANUFACTURER DISCLAIMER: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

SAFETY DATA SHEET

Date Issued : 07/16/2020
 SDS No. : AquaDoc Alkalinity Booster
 Date Revised : 07/24/2020
 Revision No : 1

MAVAquaDoc Professional Alkalinity Booster

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MAVAquaDoc Professional Alkalinity Booster
GENERAL USE: Alkalinity Increaser
GENERIC NAME: Sodium Bicarbonate; Sodium Hydrogen Carbonate

DISTRIBUTOR

Mav Aqua, LLC.
 1653 Lititz Pike
 Suite 1112
 Lancaster, PA 17601
Emergency Phone: (877) 278-2006
Web: MAVAquaDoc.com

2. HAZARDS IDENTIFICATION

GHS LABEL

Not a dangerous substance/mixture according to GHS standards

PRECAUTIONARY STATEMENT(S)

General:

8219D4CW: This product is not classified as hazardous according to the Globally Harmonized System.

CARCINOGENICITY: No known effects.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Hydrogen Carbonate; Sodium Bicarbonate	100	144-55-8

4. FIRST AID MEASURES

EYES: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

INHALATION: Remove to fresh air. If symptoms occur, get medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CHRONIC EFFECTS: No known effect.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAME PROPAGATION OR BURNING RATE OF SOLIDS: Not flammable.

GENERAL HAZARD: No specific hazards.

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

SAFETY DATA SHEET

Date Issued : 07/16/2020
SDS No. : AquaDoc Alkalinity Booster
Date Revised : 07/24/2020
Revision No : 1

MAVAquaDoc Professional Alkalinity Booster

WATER SPILL: Prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater.

GENERAL PROCEDURES: Scoop up into dry clean containers. Wash away uncontaminated residue with water.

COMMENTS: Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use with adequate ventilation.

STORAGE: Store in a cool, dry place away from acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Does not contain any hazardous materials with occupational exposure limits established. Local nuisance dusts apply.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields or goggles.

SKIN: Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

RESPIRATORY: A respirator or dust mask approved by NIOSH/MSHA should be worn when breathing zone cannot be controlled with ventilation.

PROTECTIVE CLOTHING: Body protective clothing and shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: None.

APPEARANCE: White crystalline.

pH: 8.3 (1% solution.)

FLASHPOINT AND METHOD: Not combustible.

FLAMMABLE LIMITS: 0 to 0

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

BOILING POINT: N/A

FREEZING POINT: N/A

MELTING POINT: Decomposes

SOLUBILITY IN WATER: 96 g/l at 20°C

DENSITY: 66 lbs. per cubic foot.

SPECIFIC GRAVITY: 2.22

MOLECULAR WEIGHT: 84.01

10. STABILITY AND REACTIVITY

REACTIVITY: None under normal use conditions.

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable.

CONDITIONS TO AVOID: Heat, humidity, strong odors.

HAZARDOUS DECOMPOSITION PRODUCTS: Reacts with acids to release carbon dioxide gas and heat.

INCOMPATIBLE MATERIALS: Acids.

SAFETY DATA SHEET

Date Issued : 07/16/2020
SDS No. : AquaDoc Alkalinity Booster
Date Revised : 07/24/2020
Revision No : 1

MAVAquaDoc Professional Alkalinity Booster

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD₅₀: > 5000 mg/kg - Rat

INHALATION LC₅₀: > 4.74 mg/L (rat) 4.5 hr.

RESPIRATORY OR SKIN SENSITISATION: Non-sensitizer.

GERM CELL MUTAGENICITY: Non-mutagenic.

CARCINOGENICITY

NOTES: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not expected to have significant environmental effects.

BIOACCUMULATION/ACCUMULATION: This product is not expected to bioaccumulate.

AQUATIC TOXICITY (ACUTE): Algae (*Nitzschia linearis*) EC50 = 650 mg/l 120 h

Daphnids EC50 = 2300 mg/l, 48 h

Bluegill LC50 = 8250 - 9000 mg/l

Rainbow Trout LC50 = 7700 mg/l

96-HOUR LC₅₀: 7100 mg/L (Bluegill Sunfish)

48-HOUR EC₅₀: 4100 mg/L (Daphnia Magna)

96-HOUR EC₅₀: 7700 mg/L (Rainbow Trout)

CHEMICAL FATE INFORMATION: Biodegradability does not apply to inorganic substances.

COMMENTS: Dissociates into ions.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

RCRA/EPA WASTE INFORMATION: This product is not considered a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA).

GENERAL COMMENTS: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Not listed.

313 REPORTABLE INGREDIENTS: Not regulated.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not regulated.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

SAFETY DATA SHEET

Date Issued : 07/16/2020
SDS No. : AquaDoc Alkalinity Booster
Date Revised : 07/24/2020
Revision No : 1

MAVAquaDoc Professional Alkalinity Booster

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: Not hazardous.

REGULATIONS

STATE REGULATIONS: Not regulated.

CALIFORNIA PROPOSITION 65: This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

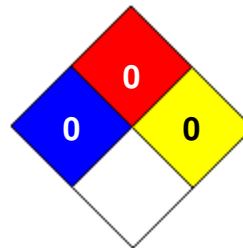
Date Revised: 07/24/2020

REVISION SUMMARY: This SDS replaces the 07/16/2020 SDS. Revised: **Section 1:** SDS No..

HMIS RATING

HEALTH	<input type="text"/>	0
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION	<input type="text"/>	

NFPA CODES



MANUFACTURER DISCLAIMER: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

SAFETY DATA SHEET

Date Issued : 01/20/2021
SDS No. : MavAqua Calcium Increaser

MavAquaDoc Professional Calcium Increaser

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MavAquaDoc Professional Calcium Increaser
GENERAL USE: Calcium Hardness increaser

DISTRIBUTOR

Mav Aqua, LLC.
1653 Lititz Pike
Suite 1112
Lancaster, PA 17601
Emergency Phone: (877) 278-2006
Web: MAVAquaDoc.com

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Serious Eye Damage, Category 2

Health:

Acute Toxicity (Oral), Category 4

GHS LABEL



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H319: Causes serious eye irritation.

H302: Harmful if swallowed.

PRECAUTIONARY STATEMENT(S)

General:

P264: Wash ... thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

74880IHY: Wear eye/face protection.

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.

P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.

P330: Rinse mouth.

P501: Dispose of contents/container to ...

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Calcium Chloride	74 - 100	10043-52-4
Water	0 - 26	7732-18-5
Sodium Chloride	< 3	7647-14-5
Potassium Chloride	< 3	7447-40-7
Magnesium Chloride	< 0.05	7786-30-3

SAFETY DATA SHEET

Date Issued : 01/20/2021
SDS No. : MavAqua Calcium Increaser

MavAquaDoc Professional Calcium Increaser

4. FIRST AID MEASURES

EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Obtain medical attention if irritation persists.

SKIN: Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

INGESTION: IF SWALLOWED: Call a POISON CONTROL CENTER or doctor/physician if you feel unwell. Rinse mouth.

INHALATION: Move to fresh air. Get medical attention immediately if symptoms occur.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Avoid generating dust. Under certain conditions may cause respiratory irritation. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Prevent entry into waterways, sewers, basements or confined areas.

GENERAL PROCEDURES: Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Use personal protective equipment.

COMMENTS: Avoid contact with the skin and eyes. Avoid dust formation.

7. HANDLING AND STORAGE

HANDLING: Ensure adequate ventilation. Avoid contact with eyes and skin. Wash thoroughly after handling. Avoid breathing dust. Avoid dust formation.

STORAGE: Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Calcium Chloride	OSHA PEL	TWA		
	ACGIH TLV	TWA	10 mg/m ³ [1]	[1]
	Supplier OEL	TWA	10 mg/m ³	

Footnotes:

1. For nuisance particulate (inhalable particulate)

ENGINEERING CONTROLS: Local exhaust.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with non-flexible side shields or chemical goggles.

SKIN: Wear appropriate chemical impervious clothing, gloves and boots whenever there is potential for skin contact with product (PVC or Rubber). Launder clothing before reuse. Maintain safety shower at all locations where skin contact is imminent. Contact your local safety equipment supplier to assist the facility in determining proper selection of personal protective equipment for the applications/operations present at your facility. Wear resistant gloves (consult your safety equipment supplier). Discard gloves that show tears, pinholes, or signs of

SAFETY DATA SHEET

Date Issued : 01/20/2021

SDS No. : MavAqua Calcium Increaser

MavAquaDoc Professional Calcium Increaser

wear.

RESPIRATORY: No respirator is required under normal conditions of use. Use of a NIOSH-approved respirator (N95 or greater) should be based on the presence of nuisance dusts.

WORK HYGIENIC PRACTICES: When using, do not eat, drink or smoke. Remove and wash contaminated clothing before reuse. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: None.

APPEARANCE: White pellet flakes.

pH: Not Available

FLASHPOINT AND METHOD: Not Applicable.

FLAMMABLE LIMITS: 0 to 0

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

MELTING POINT: 187°C (369°F) to 773°C (1424°F)

SOLUBILITY IN WATER: 40% @ 68 deg F (20 deg C) with evolution of heat

SPECIFIC GRAVITY: 2.15 At 77 degrees F.

10. STABILITY AND REACTIVITY

REACTIVITY: No data available.

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Dust formation.

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine gas.

INCOMPATIBLE MATERIALS: Zinc, Bromine tri-flouride, Methyl vinyl ether.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: 2630 mg/kg (rat)

Notes: Calcium Chloride

ORAL LD₅₀: 1000 mg/kg - Rat

Notes: Calcium Chloride

CARCINOGENICITY

NOTES: Contains no ingredients above reportable quantities listed as a carcinogen.

COMMENTS: Likely Routes of Exposure:

Inhalation: May cause irritation of respiratory tract.

Eye Contact: Irritating to eyes.

Skin Contact: May cause irritation to skin.

Ingestion: Harmful if swallowed.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE)

SAFETY DATA SHEET

Date Issued : 01/20/2021
SDS No. : MavAqua Calcium Increaser

MavAquaDoc Professional Calcium Increaser

96-HOUR LC₅₀: 10650 mg/L (Lepomis macrochirus)

48-HOUR EC₅₀: 2400 mg/L (Daphnia Magna)

Notes: Calcium Chloride

COMMENTS: Product will not biodegrade or accumulate.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

RCRA/EPA WASTE INFORMATION: This product does meet the criterial of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Not listed.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: No.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

REGULATIONS

STATE REGULATIONS: Not regulated.

CALIFORNIA PROPOSITION 65: There are no chemicals present known to the State of California to cause cancer.

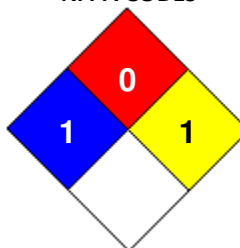
16. OTHER INFORMATION

Date Prepared: 01/20/2021

HMIS RATING

HEALTH		1
FLAMMABILITY		0
PHYSICAL HAZARD		1
PERSONAL PROTECTION		

NFPA CODES



MANUFACTURER DISCLAIMER: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

SAFETY DATA SHEET

Date Issued : 12/04/2020

SDS No. : MavAqua Prof. Chlorine-Free Shock

MAVAquaDoc Professional Chlorine-Free Shock

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MAVAquaDoc Professional Chlorine-Free Shock

GENERAL USE: Oxidizer

DISTRIBUTOR

Mav Aqua, LLC.

1653 Lititz Pike

Suite 1112

Lancaster, PA 17601

Emergency Phone: (877) 278-2006

Web: MAVAquaDoc.com

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Acute Toxicity (Oral), Category 4

Skin Irritation, Category 2

Respiratory Sensitization, Category 1

Skin Sensitization, Category 1

Eye Damage, Category 1

GHS LABEL



Corrosion



Exclamation
mark



Health hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H318: Causes serious eye damage.

H315: Causes skin irritation.

H302: Harmful if swallowed.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317: May cause an allergic skin reaction.

PRECAUTIONARY STATEMENT(S)

General:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P270: Do not eat, drink or smoke when using this product.

P285: In case of inadequate ventilation wear respiratory protection.

P264: Wash ... thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P501: Dispose of contents/container to ...

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P302+P352: IF ON SKIN: Wash with plenty of water/...

P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.

P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P310: Immediately call a POISON CENTER/doctor/...

P330: Rinse mouth.

P362+P364: Take off contaminated clothing and wash it before reuse.

SAFETY DATA SHEET

Date Issued : 12/04/2020

SDS No. : MavAqua Prof. Chlorine-Free Shock

MAVAquaDoc Professional Chlorine-Free Shock

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Potassium Monopersulfate Compound	60 - 80	70693-62-8
Sodium Carbonate	10 - 20	497-19-8
Potassium Peroxydisulfate	< 5	7727-21-1

4. FIRST AID MEASURES

EYES: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. See a doctor immediately.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reuse.

INGESTION: DO NOT INDUCE VOMITING. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing agent suitable for type of surrounding fire. Use water spray to cool unopened containers.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Formation of toxic gases is possible during heating or fire.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Pick up mechanically. Send for recovery or disposal in suitable receptacles.

LARGE SPILL: Avoid formation of dust. Do not breathe dust. Ensure adequate ventilation. Use PPE as required.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow to enter sewers/ surface or ground water.

GENERAL PROCEDURES: Evacuate area. Use PPE.

7. HANDLING AND STORAGE

HANDLING: Use only in well-ventilated areas. Do not breathe dust. Avoid dust formation in confined areas. Avoid contact with skin and eyes. Keep away from heat and flame. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

STORAGE: Keep ignition sources away - Do not smoke. emergency cooling must be available in case of nearby fire. Keep respiratory protective device available. Any formation of dust which cannot be avoided must be regularly removed.

STORAGE TEMPERATURE: Store away from foodstuffs, reducing agents, flammable substances and metals. Do not store together with textiles. Protect from humidity and water. Keep containers tightly sealed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

SAFETY DATA SHEET

Date Issued : 12/04/2020

SDS No. : MavAqua Prof. Chlorine-Free Shock

MAVAquaDoc Professional Chlorine-Free Shock

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	Type		ppm	mg/m ³
	Potassium Monopersulfate Compound	OSHA PEL	TWA	[1]
ACGIH TLV		TWA	[1]	[1]
Supplier OEL		TWA	[2]	1 mg/m [2]
Sodium Carbonate	OSHA PEL	TWA	[3]	[3]
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL
Potassium Peroxydisulfate	ACGIH TLV	TWA	[4]	0.1 [4]
	Supplier OEL	TWA	[5]	10 [5]

Footnotes:

1. Not established.
2. 8 & 12 hr. TWA
3. NL = Not Listed
4. TWA as persulfate.
5. 8 hr. TWA

ENGINEERING CONTROLS: No relevant information available.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical safety glasses or goggles. Contact lenses should not be worn.

SKIN: Where there is potential for skin contact, wear impervious gloves, apron, pants and jacket.

RESPIRATORY: Wear a NIOSH approved respirator if levels above the exposure limits are possible.

WORK HYGIENIC PRACTICES:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Avoid breathing dust.

OTHER USE PRECAUTIONS: Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Granular

ODOR: Odorless

ODOR THRESHOLD: Not Determined.

APPEARANCE: White granular.

COLOR: White

pH: 8.2 to 9.2

FLASHPOINT AND METHOD: Not Applicable.

FLAMMABLE LIMITS: Contact with combustible material may cause fire.

AUTOIGNITION TEMPERATURE: Not Determined.

VAPOR PRESSURE: Not Determined.

VAPOR DENSITY: Not Applicable.

SAFETY DATA SHEET

Date Issued : 12/04/2020

SDS No. : MavAqua Prof. Chlorine-Free Shock

MAVAquaDoc Professional Chlorine-Free Shock

BOILING POINT: Not Determined.

MELTING POINT: Not Determined.

SOLUBILITY IN WATER: 297 to 357 g/l at 22°C (71.6°F)

EVAPORATION RATE: Not Applicable.

DENSITY: 19.61 at 20°C (68°F) 2.35 at 20°C (68°F)

VISCOSITY: Not Applicable.

(VOC): 1

OXIDIZING PROPERTIES: Contains oxidizing agent.

10. STABILITY AND REACTIVITY

REACTIVITY: No relevant information available.

HAZARDOUS POLYMERIZATION: No additional information available.

STABILITY: Stable under normal temperature and pressure.

CONDITIONS TO AVOID: Avoid excessive heat. Decomposes before melting. Reacts with reducing agents.

POSSIBILITY OF HAZARDOUS REACTIONS: Reacts with: Reducing agents, halogenated compounds, organic substances, strong acids and alkali, and various metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, Sulfur oxides (SO_x) and toxic metal oxide smoke.

INCOMPATIBLE MATERIALS: Reducing agents, strong acids and Alkalis

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD₅₀: 802 mg/kg - Rat

Notes: 7727-21-1 Dipotassium Peroxodisulphate.

SKIN CORROSION/IRRITATION: Not corrosive to skin per OECD 435 testing analysis. Irritant to skin and mucous membranes.

SERIOUS EYE DAMAGE/IRRITATION: Strong caustic effect.

RESPIRATORY OR SKIN SENSITISATION: May cause sensitisation by inhalation and skin contact.

GERM CELL MUTAGENICITY: Based on available data, the classification criteria are not met.

CARCINOGENICITY

IARC: None of the ingredients are listed.

NTP: None of the ingredients are listed.

OSHA: None of the ingredients are listed.

REPRODUCTIVE TOXICITY: Based on available data, the classification criteria are not met.

STOT-SINGLE EXPOSURE: Based on available data, the classification criteria are not met.

STOT-REPEATED EXPOSURE: Based on available data, the classification criteria are not met.

ASPIRATION HAZARD: Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Due to available data on eliminability/decomposition and bioaccumulation, potential prolonged term damage of the environment cannot be excluded.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal must be made according to official regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

SAFETY DATA SHEET

Date Issued : 12/04/2020
SDS No. : MavAqua Prof. Chlorine-Free Shock

MAVAquaDoc Professional Chlorine-Free Shock

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

MARINE POLLUTANT #1: No.

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not Regulated.

AIR (ICAO/IATA)

SHIPPING NAME: Not Regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Regulated.

MARINE POLLUTANT #1: No.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Not listed

313 REPORTABLE INGREDIENTS: None of the ingredients are listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components are listed on the TSCA Inventory.

CALIFORNIA PROPOSITION 65: There are no chemicals present known to the State of California to cause cancer.

CANADA

DOMESTIC SUBSTANCE LIST (INVENTORY): All components are on the DSL or NDSL.

16. OTHER INFORMATION

Date Prepared: 12/04/2020

MANUFACTURER DISCLAIMER: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

SAFETY DATA SHEET

Date Issued : 09/17/2020
SDS No. : AquaDoc Defoamer

MAVAquaDoc Professional Defoamer

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MAVAquaDoc Professional Defoamer

GENERAL USE: Defoamer for Spas

DISTRIBUTOR

Mav Aqua, LLC.

1653 Lititz Pike

Suite 1112

Lancaster, PA 17601

Emergency Phone: (877) 278-2006

Web: MAVAquaDoc.com

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 5

Acute Toxicity (Inhalation), Category 5

Acute Toxicity (Dermal), Category 5

GHS LABEL

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H303 + H313 + H333: May be harmful if swallowed, in contact with skin or if inhaled.

PRECAUTIONARY STATEMENT(S)

Prevention:

P264: Wash ... thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P313: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P302+P352: IF ON SKIN: Wash with plenty of water/...

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P309: IF exposed or if you feel unwell:

P332+P313: If skin irritation occurs: Get medical advice/attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Siloxanes And Silicones, Di-me	< 5	63148-62-9
Polydimethylsiloxane, Silica Adduct	< 1	67762-90-7

4. FIRST AID MEASURES

EYES: Holding eyelids apart, flush with plenty of water for at least 20 minutes. If irritation persists, contact a physician.

SKIN: Flush skin with plenty of soap and water, removing contaminated clothing. If irritation persists, consult a physician.

INGESTION: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth. Contact a physician, medical facility or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

INHALATION: Immediately remove the affected person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If

SAFETY DATA SHEET

Date Issued : 09/17/2020
SDS No. : AquaDoc Defoamer

MAVAquaDoc Professional Defoamer

breathing is difficult, give oxygen. Seek medical attention.

NOTES TO PHYSICIAN: None.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

EXPLOSION HAZARDS: May produce fumes of carbon dioxide and carbon monoxide.

FIRE FIGHTING EQUIPMENT: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid on vermiculite, floor absorbent or other absorbent material.

LARGE SPILL: Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

7. HANDLING AND STORAGE

HANDLING: Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using the toilet facilities. Promptly remove soiled clothing and wash before reuse. Shower after work using plenty of soap and water.

STORAGE: Store in a cool, dry, well-ventilated area away from incompatible materials. Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Not required under normal conditions of use. However, if unusual operating conditions exist, then provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL/TLV(s).

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: OSHA-approved safety glasses or goggles.

SKIN: Impervious, rubber or neoprene gloves.

RESPIRATORY: None required under normal product use conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)
Polydimethylsiloxane, Silica Adduct	600

PHYSICAL STATE: Homogeneous Solution

ODOR: Mild organic

COLOR: White to off-white

PHYSICAL STATE COMMENTS: Viscous liquid

pH: Not Established

PERCENT VOLATILE: less than 1%

FLASHPOINT AND METHOD: > (200°F)

VAPOR PRESSURE: < 1 mm Hg at (68°F)

VAPOR DENSITY: < 1 (Air=1)

BOILING POINT: > (212°F) 760 mmHg

FREEZING POINT: (32°F)

SOLUBILITY IN WATER: Dispersible

EVAPORATION RATE: Slower than Ethyl Ether

SAFETY DATA SHEET

Date Issued : 09/17/2020
SDS No. : AquaDoc Defoamer

MAVAquaDoc Professional Defoamer

VISCOSITY #1: 1000 CPS

(VOC): 0

COMMENTS: Liquid Density - 8.3 lbs/gal @ 77°F

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Product will not undergo hazardous polymerization.

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: May form carbon dioxide, carbon monoxide and soot

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

DERMAL LD₅₀: > 5000 mg/kg - Rabbit

ORAL LD₅₀: > 10000 mg/kg - Rat

INHALATION LC₅₀: 0.139 mg/L (4 hour - rat)

SKIN CORROSION/IRRITATION: May cause skin irritation

SERIOUS EYE DAMAGE/IRRITATION: May cause slight irritation

RESPIRATORY OR SKIN SENSITISATION: Not Available

GERM CELL MUTAGENICITY: Not Available

CARCINOGENICITY

NOTES: Not Available

REPRODUCTIVE TOXICITY: Not Available

STOT-SINGLE EXPOSURE: Not Available

STOT-REPEATED EXPOSURE: Not Available

ASPIRATION HAZARD: Not Available

12. ECOLOGICAL INFORMATION

BIOACCUMULATION/ACCUMULATION: Not available.

AQUATIC TOXICITY (ACUTE): Not Available

GENERAL COMMENTS: Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Mobility in general: Not available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

PRODUCT DISPOSAL: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

LABEL: None known.

SAFETY DATA SHEET

Date Issued : 09/17/2020
SDS No. : AquaDoc Defoamer

MAVAquaDoc Professional Defoamer

AIR (ICAO/IATA)

SHIPPING NAME: Not Regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Regulated.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: None

311/312 PHYSICAL HAZARDS: None

313 REPORTABLE INGREDIENTS: None.

302/304 EMERGENCY PLANNING

THRESHOLD QUANTITY: None

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: None

CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS): Not Available

CALIFORNIA PROPOSITION 65: Not listed

CLEAN WATER ACT: Not Available

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): Not Available

16. OTHER INFORMATION

Date Prepared: 09/17/2020

HMIS RATING

HEALTH	□	1
FLAMMABILITY	□	1
PHYSICAL HAZARD	□	0
PERSONAL PROTECTION	□	X

ADDITIONAL MSDS INFORMATION: FDA/USDA/GRAS: Approved to use level not to exceed 200 ppm in food, 21 CFR 173.340 compliance and 21 CFR 184.1490

MANUFACTURER DISCLAIMER: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

SAFETY DATA SHEET

Date Issued : 06/04/2021
SDS No. : Mav Aqua pH Decreaser

Mav AquaDoc Professional pH Decreaser

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Mav AquaDoc Professional pH Decreaser
GENERAL USE: pH Decreaser

DISTRIBUTOR

Mav Aqua, LLC.
1653 Lititz Pike
Suite 1112
Lancaster, PA 17601
Emergency Phone: (877) 278-2006
Web: MAVAquaDoc.com

2. HAZARDS IDENTIFICATION

GHS LABEL



Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H318: Causes serious eye damage.

PRECAUTIONARY STATEMENT(S)

Prevention:

P262: Do not get in eyes, on skin, or on clothing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor/...
P280: Wear protective gloves/protective clothing/eye protection/face protection.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation. Adverse symptoms may include pain, watering and redness.
SKIN: Skin contact can cause irritation of the skin with pain, itching and redness. Overexposure may cause chemical burns.
INHALATION: Severe over-exposure can produce lung damage, choking, unconsciousness or death.

ROUTES OF ENTRY: Eyes, Skin, Inhalation, Ingestion

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Bisulfate (Eye Dam. 1, H318)	> 90	7681-38-1

4. FIRST AID MEASURES

EYES: Check for and remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open. Seek medical attention.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. If irritation persists, seek medical attention.

INGESTION: Do not induce vomiting unless directed to do so by medical professional. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt, or waistband.

SAFETY DATA SHEET

Date Issued : 06/04/2021

SDS No. : Mav Aqua pH Decreaser

Mav AquaDoc Professional pH Decreaser

INHALATION: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, give oxygen. Get medical attention. **WARNING:** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Nonflammable

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING EQUIPMENT: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

HAZARDOUS DECOMPOSITION PRODUCTS: At temperatures above 806 deg F, hazardous fumes sulfur oxide and sulfur trioxide are evolved.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Use appropriate containers to avoid environmental contamination.

LARGE SPILL: Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

GENERAL PROCEDURES: Prevent entry into soil, waterways, drains and sewers. Inform relevant authorities if product has caused environmental pollution.

SPECIAL PROTECTIVE EQUIPMENT: Do not breathe dust. Provide adequate ventilation. Put on appropriate personal protective equipment.

7. HANDLING AND STORAGE

HANDLING: Wear all recommended personal protective clothing when handling. Avoid contact with eyes. Wash thoroughly after handling. Minimize dust generation. Avoid breathing dust.

STORAGE: Keep containers tightly closed in a dry, well-ventilated area. Keep away from children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Sodium Bisulfate (Eye Dam. 1, H318)	OSHA PEL	TWA	ppm ^[1]	mg/m ³ ^[1]
		STEL	ppm	mg/m ³
	ACGIH TLV	TWA	ppm	mg/m ³
		STEL	ppm	mg/m ³
	Supplier OEL	TWA	NL ppm	NL mg/m ³
		STEL	NL ppm	NL mg/m ³

Footnotes:

1. This material meets the definition as an Irritant as defined in OSHA's Hazard Communication Standard.

ENGINEERING CONTROLS: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical safety goggles.

SKIN: Protective gloves, protective clothing.

RESPIRATORY: In dusty atmospheres (greater than 10 mg/m³) use a NIOSH-approved dust respirator.

WORK HYGIENIC PRACTICES:

SAFETY DATA SHEET

Date Issued : 06/04/2021

SDS No. : Mav Aqua pH Decreaser

Mav AquaDoc Professional pH Decreaser

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Avoid breathing dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Dry crystalline solid.

ODOR: Fresh to pungent.

APPEARANCE: Off-white granular powder.

pH: < 1.0 5% aqueous solution spherical shaped beads.

FLASHPOINT AND METHOD: Not combustible.

FLAMMABLE LIMITS: 0 to 0

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

MELTING POINT: 183°C

SOLUBILITY IN WATER: Partially Soluble

at 20°C (68°F)

DENSITY: 1.28

SPECIFIC GRAVITY: 2.435

MOLECULAR WEIGHT: 120.6 g/mol

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

INCOMPATIBLE MATERIALS: Oxidizing agents, alkalis, and moisture. Not corrosive in the presence of glass.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD₅₀: 2800 mg/kg - Rat

GERM CELL MUTAGENICITY: Mutagenic for bacteria and/or yeast.

CARCINOGENICITY

NOTES: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This material dissolves in water to form a weak acid solution. A 0.05% or greater (by weight) solution of this product will likely be harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

SAFETY DATA SHEET

Date Issued : 06/04/2021
SDS No. : Mav Aqua pH Decreaser

Mav AquaDoc Professional pH Decreaser

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Not listed.

313 REPORTABLE INGREDIENTS: None.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components are listed on the TSCA Inventory.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

REGULATIONS

STATE REGULATIONS: Not regulated.

CALIFORNIA PROPOSITION 65: There are no chemicals present known to the State of California to cause cancer.

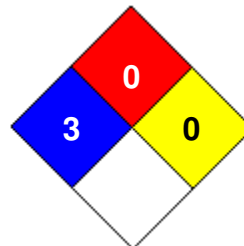
16. OTHER INFORMATION

Date Prepared: 06/04/2021

HMIS RATING

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	J

NFPA CODES



MANUFACTURER DISCLAIMER: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

SAFETY DATA SHEET

Date Issued : 06/04/2021
SDS No. : Mav Aqua pH Increaser

Mav AquaDoc Professional pH Increaser

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Mav AquaDoc Professional pH Increaser
GENERAL USE: pH Increaser

DISTRIBUTOR

Mav Aqua, LLC.
1653 Lititz Pike
Suite 1112
Lancaster, PA 17601
Emergency Phone: (877) 278-2006
Web: MAVAquaDoc.com

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Serious Eye Damage, Category 2

GHS LABEL



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H319: Causes serious eye irritation.

PRECAUTIONARY STATEMENT(S)

Prevention:

4304ZF6P: Wash exposed skin thoroughly after handling.
7488OIHY: Wear eye/face protection.

Response:

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Carbonate	100	497-19-8

4. FIRST AID MEASURES

EYES: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

SKIN: Flush skin with plenty of soap and water, removing contaminated clothing. If irritation persists, consult a physician.

INGESTION: Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

INHALATION: Remove to fresh air. If effects occur, seek medical attention.

NOTES TO PHYSICIAN: Treat symptomatically.

SAFETY DATA SHEET

Date Issued : 06/04/2021
SDS No. : Mav Aqua pH Increaser

Mav AquaDoc Professional pH Increaser

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: Non-combustible. Substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Emits fumes of sodium oxide. Carbon oxides (COx).

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not flush into surface water or sanitary sewer system.

GENERAL PROCEDURES: Avoid dust formation. Sweep up to prevent slipping hazard. Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal.

RELEASE NOTES: Prevent large quantities of this product from contacting vegetation or waterways.

7. HANDLING AND STORAGE

HANDLING: Use in well-ventilated areas. Avoid breathing dusts.

STORAGE: Store in original container. Keep container tightly closed. Keep away from acids, aluminum and powdered aluminums.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Sodium Carbonate	OSHA PEL	TWA	[1]	[1]
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL

Footnotes:
1. NL = Not Listed

ENGINEERING CONTROLS: Use local exhaust. There are no product-specific guidelines for exposure, however Federal Guidelines treat this ingredient as a nuisance dust.

Exposure Guidelines for Particulates Not Otherwise Regulated:

OSHA (PEL/TWA): 15 mg/m³ (total dust); 5 mg/m³ (resp fraction)

MSHA (PEL/TWA): 10 mg/m³ (total dust)

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields.

RESPIRATORY: In dusty atmospheres use a NIOSH-approved dust respirator.

PROTECTIVE CLOTHING: Wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

SAFETY DATA SHEET

Date Issued : 06/04/2021
SDS No. : Mav Aqua pH Increaser

Mav AquaDoc Professional pH Increaser

ODOR: Odorless

APPEARANCE: White granular.

pH: 11.4 (1% solution.)

FLASHPOINT AND METHOD: Not combustible.

FLAMMABLE LIMITS: 0 to 0

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

BOILING POINT: Decomposes

MELTING POINT: 851°C

THERMAL DECOMPOSITION: 400°C

SOLUBILITY IN WATER: 212.5 g/L at 20 deg C

SPECIFIC GRAVITY: 2.52

MOLECULAR WEIGHT: 105.99

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable. Decomposes by reaction with strong acids.

CONDITIONS TO AVOID: Exposure to air or moisture over prolonged periods.

HAZARDOUS DECOMPOSITION PRODUCTS: Heated to decomposition, it emits fumes of sodium oxide.

INCOMPATIBLE MATERIALS: Aluminum, powdered aluminum, acids.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: > 2000 mg/kg - Rabbit

ORAL LD₅₀: 2800 mg/kg - Rat

INHALATION LC₅₀: 2.3 mg/l (2hr) (rat)

RESPIRATORY OR SKIN SENSITISATION: Non-sensitizer.

CARCINOGENICITY

NOTES: None of the components in this product are listed by IARC, NTP, OSHA or ACGIH as carcinogen.

12. ECOLOGICAL INFORMATION

BIOACCUMULATION/ACCUMULATION: This product is not expected to bioaccumulate.

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: > 300 mg/L (Bluegill Sunfish)

48-HOUR EC₅₀: 200-22 mg/L Ceriodaphnia

CHEMICAL FATE INFORMATION: Biodegradability does not apply to inorganic substances. No significant toxicity to aquatic organisms is expected.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

RCRA/EPA WASTE INFORMATION: This product is not considered a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA).

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

SAFETY DATA SHEET

Date Issued : 06/04/2021
SDS No. : Mav Aqua pH Increaser

Mav AquaDoc Professional pH Increaser

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: None.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

REGULATIONS

STATE REGULATIONS: Not regulated.

CALIFORNIA PROPOSITION 65: This product does not contain any Proposition 65 chemicals.

RCRA STATUS: Not a hazardous waste if discarded in its purchased form.

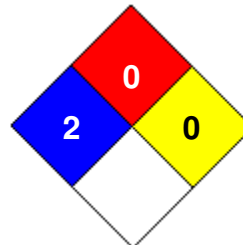
16. OTHER INFORMATION

Date Prepared: 06/04/2021

HMIS RATING

HEALTH		2
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

NFPA CODES



MANUFACTURER DISCLAIMER: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

SAFETY DATA SHEET

Date Issued : 11/01/2021
SDS No. : Mav Aqua Stain & Scale

Mav AquaDoc Professional Stain & Scale

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Mav AquaDoc Professional Stain & Scale
GENERAL USE: Stain and Scale Control
PRODUCT DESCRIPTION: Stain and Scale Control for Swimming Pools

DISTRIBUTOR

Mav Aqua, LLC.
1653 Lititz Pike
Suite 1112
Lancaster, PA 17601
Emergency Phone: (877) 278-2006
Web: MAVAquaDoc.com

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye Irritation, Category 2B

GHS LABEL

The product is classified and labeled according to the Globally Harmonized System (GHS).

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H320: Causes eye irritation.

PRECAUTIONARY STATEMENT(S)

General:

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.

P264: Wash ... thoroughly after handling.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
1,2,4 Butanetricarboxylic Acid, 2-phosphono-	< 0 - 10	-----
Proprietary Blend	> 0 - 90	-----

4. FIRST AID MEASURES

EYES: Remove contacts, if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

SKIN: Flush skin with water then wash with soap and water. Consult physician if irritation develops.

INGESTION: DO NOT induce vomiting. Drink large quantities of water. Consult a physician immediately. Never give anything by mouth to an unconscious person.

INHALATION: Supply fresh air; consult a doctor in case of complaints.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Causes eye irritation.

SKIN: Causes mild skin irritation.

INGESTION: Gastric or intestinal disorders when ingested.

5. FIRE FIGHTING MEASURES

SAFETY DATA SHEET

Date Issued : 11/01/2021
SDS No. : Mav Aqua Stain & Scale

Mav AquaDoc Professional Stain & Scale

FLAMMABLE CLASS: Nonflammable

EXTINGUISHING MEDIA: Adapt extinguishing media to the environment.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Formation of toxic gases is possible during heating or fire.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Towel or mop up material and collect in a suitable container.

LARGE SPILL: Add sawdust, chalk, or other inert binding material. Then sweep up and discard. Send for recovery or disposal in suitable receptacles.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep out of reach of children. Open and handle receptacle with care. Avoid contact with the eyes and skin. Avoid breathing mist, vapors or spray. Use only in well ventilated areas.

HANDLING: Store in cool, dry conditions in well sealed receptacles. Use only receptacles specifically permitted for this substance/product. Storage area should be dry and well-ventilated.

STORAGE: Store away from foodstuffs. Store away from metals. Unsuitable material for receptacle: Aluminum.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1919.133 or European Standard EN166.

RESPIRATORY: Use suitable respiratory protective device when aerosol or mist is formed.

PROTECTIVE CLOTHING: Impervious gloves, apron, or protective clothing.

WORK HYGIENIC PRACTICES: Keep away from foodstuffs, beverages and feed. Avoid contact with eyes and skin. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Not Determined.

ODOR THRESHOLD: Not Determined.

COLOR: Yellow

pH: 1.80 to 2.80

FLASHPOINT AND METHOD: Not Flammable

EXPLOSION LIMITS: Not Determined.

AUTOIGNITION TEMPERATURE: Not Determined

VAPOR PRESSURE: Not Determined.

VAPOR DENSITY: Not Applicable.

BOILING POINT: Not Determined.

MELTING POINT: Not Determined.

DECOMPOSITION TEMPERATURE: Not Determined.

SOLUBILITY IN WATER: Soluble

VISCOSITY: Not Applicable.

SAFETY DATA SHEET

Date Issued : 11/01/2021
SDS No. : Mav Aqua Stain & Scale

Mav AquaDoc Professional Stain & Scale

OXIDIZING PROPERTIES: Non-oxidizing

10. STABILITY AND REACTIVITY

REACTIVITY: No relevant information available.

STABILITY: Stable at normal temperatures and pressures.

CONDITIONS TO AVOID: No further relevant information available.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes may be released if heated above the decomposition point. Reacts with alkali (lyes). Reacts with metals forming hydrogen.

Under fire conditions only:

Phosphorus oxides (e.g. P₂O₅)

Carbon monoxide and carbon dioxide

INCOMPATIBLE MATERIALS: Alkali (lyes)

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: Based on available data, the classification criteria are not met.

ORAL LD₅₀: Based on available data, the classification criteria are not met.

INHALATION LC₅₀: Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No further relevant information available.

BIOACCUMULATION/ACCUMULATION: No further relevant information available.

ENVIRONMENTAL DATA: No further relevant information available.

GENERAL COMMENTS: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL: Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not Regulated.

AIR (ICAO/IATA)

SHIPPING NAME: Not Regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Regulated.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: None of the ingredients are listed.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

SAFETY DATA SHEET

Date Issued : 11/01/2021
SDS No. : Mav Aqua Stain & Scale

Mav AquaDoc Professional Stain & Scale

CERCLA REGULATORY: None of the ingredients are listed as carcinogens.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients are listed.

16. OTHER INFORMATION

Date Prepared: 11/01/2021

MANUFACTURER DISCLAIMER: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

SAFETY DATA SHEET

Date Issued : 09/17/2020
SDS No. : AquaDoc Water Clarifier

MAVAquaDoc Professional Water Clarifier

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MAVAquaDoc Professional Water Clarifier
GENERAL USE: Clarifier

DISTRIBUTOR

Mav Aqua, LLC.
1653 Lititz Pike
Suite 1112

Lancaster, PA 17601

Emergency Phone: (877) 278-2006

Web: MAVAquaDoc.com

2. HAZARDS IDENTIFICATION

GHS LABEL

This product is not classified as hazardous according to the Globally Harmonized System (GHS)

PRECAUTIONARY STATEMENT(S)

General:

8219D4CW: This product is not classified as hazardous according to the Globally Harmonized System.

POTENTIAL HEALTH EFFECTS

INGESTION: May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %
Proprietary mixture. Non-hazardous according to the Globally Harmonized System.	100

4. FIRST AID MEASURES

EYES: Rinse opened eye for several minutes under running water.

SKIN: Generally the product does not irritate the skin.

INGESTION: If symptoms persist, contact a doctor.

INHALATION: Supply fresh air; consult a doctor in case of complaints.

NOTES TO PHYSICIAN: No further relevant information available.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: No further relevant information available.

EXTINGUISHING MEDIA: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

FIRE FIGHTING EQUIPMENT: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

LAND SPILL: Dilute with plenty of water.

GENERAL PROCEDURES: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

SPECIAL PROTECTIVE EQUIPMENT: No special measures required.

7. HANDLING AND STORAGE

HANDLING: No special handling requirements.

SAFETY DATA SHEET

Date Issued : 09/17/2020
SDS No. : AquaDoc Water Clarifier

MAVAquaDoc Professional Water Clarifier

STORAGE: No special requirements.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Goggles recommended during refilling.

SKIN: Impermeable and resistant gloves to the material.

RESPIRATORY: No respirator is required under normal conditions of use.

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practices.

COMMENTS: This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Pungent.

APPEARANCE: Blue liquid.

pH: < 4.5

FLASHPOINT AND METHOD: Not Applicable

VAPOR PRESSURE: 23 hPa (17 mm Hg)

VAPOR DENSITY: N/A

BOILING POINT: 100°C (212°F)

FREEZING POINT: N/A

MELTING POINT: Undetermined.

SOLUBILITY IN WATER: Fully miscible.

DENSITY: Not Determined.

VISCOSITY: Not Determined

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Freezing temperatures or excess heat (for quality purposes).

HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition if used according to specifications. No dangerous decomposition products known.

INCOMPATIBLE MATERIALS: No further relevant information available.

11. TOXICOLOGICAL INFORMATION

RESPIRATORY OR SKIN SENSITISATION: Non-sensitizer.

CARCINOGENICITY

NOTES: Not classified as a carcinogen by NTP, IARC or OSHA.

COMMENTS: 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 the information provided to us.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No further relevant information available.

BIOACCUMULATION/ACCUMULATION: No further relevant information available.

GENERAL COMMENTS: Generally non-hazardous for water.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

SAFETY DATA SHEET

Date Issued : 09/17/2020
SDS No. : AquaDoc Water Clarifier

MAVAquaDoc Professional Water Clarifier

GENERAL COMMENTS: Smaller quantities can be disposed of with household waste.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Not listed

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Not Applicable

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All components are listed.

CALIFORNIA PROPOSITION 65: There are no chemicals present known to the State of California to cause cancer.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): Not regulated.

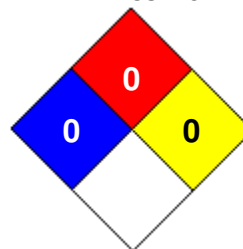
16. OTHER INFORMATION

Date Prepared: 09/17/2020

HMIS RATING

HEALTH		0
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

NFPA CODES



MANUFACTURER DISCLAIMER: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).