

SECTION 1: IDENTIFICATION

Product Trade Name: BuffMAX

Date: 10-15-2015

MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION:

COMPANY NAME: PondMAX USA
COMPANY ADDRESS: 1983 Davis Street,
San Leandro, California 94577
COMPANY TELEPHONE: Office hours (Mon - Fri)
9:00 am to 5:00 pm
(510) 481-3000
COMPANY CONTACT NAME: Main Office
EMERGENCY PHONE NUMBER: Poison Control 800-222-1222

SECTION 2: HAZARD(S) IDENTIFICATION

CLASSIFICATION:

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS:

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

ADDITIONAL LABELING: The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 2 %

PRECAUTIONARY STATEMENTS:

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): Product dust may be irritating to eyes, skin and respiratory system.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE**HAZARDOUS INGREDIENTS AND IMPURITIES:**

CHEMICAL NAME	CAS #	CONCENTRATION (%)
Carbonic acid sodium salt (1: 1)	144-55-8	> = 98

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

MIXTURE: Not applicable, this product is a substance.

SECTION 4: FIRST AID MEASURES

INGESTION: Rinse mouth with water. If symptoms persist, call a physician or Poison Control Center immediately.
INHALATION: Move to fresh air. If symptoms persist, call a physician.
SKIN CONTACT: Wash off with soap and water.
EYE CONTACT: Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**POTENTIAL ACUTE HEALTH EFFECTS**

INGESTION: Small amounts (tablespoonful) swallowed are not likely to cause injury; however, swallowing large amounts may irritate or burn digestive tract.
INHALATION: No hazards to be specially mentioned.
SKIN CONTACT: No hazards to be specially mentioned. Repeated or prolonged contact with dust can cause mechanical irritation or drying of the skin.
EYE CONTACT: Dust contact with the eyes can lead to mechanical irritation.

OVER-EXPOSURE SIGNS/SYMPTOMS

INGESTION:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
INHALATION:	No known significant effects or critical hazards.
SKIN CONTACT:	Adverse symptoms may include the following: pain or irritation, redness blistering may occur if repeated exposure
EYE CONTACT:	Adverse symptoms may include the following: pain, watering, redness

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTES TO PHYSICIAN:	When symptoms persist or in all cases of doubt seek medical advice.
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SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:	Not applicable, inorganic
AUTOIGNITION TEMPERATURE:	The product is not flammable.
FLAMMABILITY EXPLOSIVE LIMIT:	No data available.
SUITABLE EXTINGUISHING MEDIA:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
UNSUITABLE EXTINGUISHING MEDIA:	None known.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	Not combustible.
HAZARDOUS COMBUSTION PRODUCTS:	None.
PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

FOR NON-EMERGENCY PERSONNEL :	Evacuate personnel to safe areas. Avoid dust formation.
FOR EMERGENCY RESPONDERS:	Use personal protective equipment. Sweep up to prevent slipping hazard. Prevent further leakage or spillage.
ENVIRONMENTAL PRECAUTIONS:	Do not flush into surface water or sanitary sewer system. Prevent any mixture with an acid into the sewer/drain (gas formations).

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Pick up and transfer to properly labeled containers. Keep in suitable, closed containers for disposal.

>> Refer to protective measures listed in sections 7 and 8.

SECTION 7: HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING:**

PROTECTIVE MEASURES:	Ensure adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Keep away from incompatible products
HYGIENE MEASURES:	When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE:	Store in original container. Keep in a dry place. Keep in properly labeled containers. Keep container closed. Keep away from: Incompatible products
SUITABLE PACKAGING MATERIAL:	Paper, Polyethylene, Polypropylene, Woven plastic material.
UNSUITABLE PACKAGING MATERIAL:	No data available.
SPECIFIC END USE(S):	No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

INTRODUCTORY REMARKS: These recommendations provide general guidance for handling this product. Because specific work environments and material maintenance handling practices vary, safety procedures should be developed for each intended application. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

Ingredients	Value Type	Value	Basis
Carbonic acid sodium salt (1 : 1)	TWA	10 mg/m ³	Solvay Acceptable Exposure Limit
Carbonic acid sodium salt (1 : 1)	TWA	10 mg/m ³	Solvay Acceptable Exposure Limit
Particles not otherwise specified (PNOS)			National Institute for Occupational Safety and Health
	<i>Includes all inert or nuisance dusts, whether mineral, inorganic, not listed specifically in 1910.1000., See Appendix D - Substances with No Established RELs</i>		
Particles not otherwise specified (PNOS)	TWA	15 mg/m ³	Occupational Safety and Health Administration - Table Z-1 Limits for Air Contaminants
	<i>Form of exposure . total dust : All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is the same as the inert or nuisance dust limit of Table Z-3.</i>		
Particles not otherwise specified (PNOS)	TWA	5 mg/m ³	Occupational Safety and Health Administration - Table Z-1 Limits for Air Contaminants
	<i>Form of exposure: Total dust : All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is the same as the inert or nuisance dust limit of Table Z-3.</i>		
Particles not otherwise specified (PNOS)	TWA	10 mg/m ³	American Conference of Governmental Industrial Hygienists
	<i>Form of exposure : Inhalable fraction</i>		
Particles not otherwise specified (PNOS)	TWA	3 mg/m ³	American Conference of Governmental Industrial Hygienists
	<i>Form of exposure: Respirable fraction</i>		

ENGINEERING CONTROLS: Provide appropriate exhaust ventilation at places where dust is formed. Apply technical measures to comply with the occupational exposure limits.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

HYGIENE MEASURES: When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

EYE/FACE PROTECTION: Safety goggles

SKIN AND BODY PROTECTION: No special protective equipment required.

HAND PROTECTION: Impervious gloves

RESPIRATORY PROTECTION: Use only NIOSH respiratory approved protection that conforms to international/ national standards.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid. Crystalline, powder.

COLOR: White.

ODOR: Odorless

ODOR THRESHOLD: Not available.

PH: 84 (ca. 84 g/l) (77 °F (25 °C)) Water 8.6 (ca. 52 g/l) pKa: 6.3

MELTING/FREEZING POINT: Decomposition: yes

BOILING POINT/ BOILING RANGE: Thermal decomposition: yes

FLASH POINT: Not applicable, inorganic

EVAPORATION RATE: No data available

FLAMMABILITY (SOLID, GAS): The product is not flammable.

UPPER/LOWER FLAMMABILITY LIMITS: Not expected.

AUTOIGNITION TEMPERATURE: The product is not flammable.

VAPOR PRESSURE: Thermal decomposition.

VAPOR DENSITY:	No applicable
DENSITY:	2.21 kg/dm ³
BULK DENSITY:	500 - 1,300 kg/m ³
RELATIVE DENSITY :	2.21 - 2.23 (68 °F (20 °C))
WATER SOLUBILITY:	69 g/l (32 °F (0 °C))
	93 g/l (68 °F (20 °C))
	165 g/l (140 °F (60 °C))
SOLUBILITY IN OTHER SOLVENTS:	Other : soluble
	Alcohol : slightly soluble
PARTITION COEFFICIENT N-OCTANOL/WATER:	Not applicable, inorganic.
THERMAL DECOMPOSITION:	> 122 °F (> 50 °C)
VISCOSITY,:	Not applicable
EXPLOSIVE PROPERTIES:	No data available
OXIDIZING PROPERTIES:	Not expected
MOLECULAR WEIGHT:	84.01 g/mol

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Incompatible with acids. Decomposes slowly on exposure to water.
CHEMICAL STABILITY:	Stable under recommended storage conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	None.
CONDITIONS TO AVOID:	Exposure to moisture. To avoid thermal decomposition, do not overheat.
INCOMPATIBLE MATERIALS:	Acids
HAZARDOUS DECOMPOSITION PRODUCTS:	None.

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS:

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	METHOD
ACUTE TOXICITY:				
Carbonic acid sodium salt (1: 1)	LD50 Oral	Rat	> 4,000 mg/kg	According to a standardized method the product has a low acute toxicity. Unpublished reports
	LC50 Inhalation	Rat	4.5 h (Dust) > 4.74 mg/l	According to a standardized method: Not classified as hazardous for acute inhalation toxicity according to GHS. Unpublished reports
	Dermal	-	No data available.	-
	Other	-	No data available.	-
SKIN CORROSION/IRRITATION:				
Carbonic acid sodium salt (1: 1)	Slight Irritation	Rabbit	-	OECD Test Guideline 404 Unpublished reports
SERIOUS EYE DAMAGE/EYE IRRITATION:				
Carbonic acid sodium salt (1: 1)	Slight Irritation	Rabbit	-	OECD Test Guideline 405 Unpublished reports

RESPIRATION OR SKIN SENSITIZATION: There is no data available.

MUTAGENICITY	GENOTOXICITY IN VITRO:	Strain: Escherichia coli with and without metabolic activation Negative Method: according to a standardized method. Published data Ames test with metabolic activation. Negative Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay) Published data
	GENOTOXICITY IN VIVO:	No data available.
	CARCINOGENICITY:	There is no data available. This product does not contain any ingredient designated as probable or suspected human carcinogens by: NTP, IARC, OSHA or ACGIH

TOXICITY FOR REPRODUCTION AND DEVELOPMENT

TOXICITY TO REPRODUCTION / FERTILITY : No data available

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	METHOD
DEVELOPMENTAL TOXICITY/TERATOGENICITY :				
Carbonic acid sodium salt (1: 1)	Oral	Rat	NOAEL teratogenicity: > 340 mg/kg	According to a standardized method. Highest dose tested The product is not considered to be embryotoxic / fetotoxic. Unpublished reports
Carbonic acid sodium salt (1: 1)	Oral	Rabbit	NOAEL teratogenicity: > 330 mg/kg	According to a standardized method. Highest dose tested The product is not considered to be embryotoxic / fetotoxic. Unpublished reports
STOT – SINGLE EXPOSURE:		Routes of exposure: Oral, Inhalation The substance or mixture is not classified as specific target organ toxicant, single exposure. Internal evaluation		
STOT – REPEATED EXPOSURE:		There is no data available.		
ASPIRATION HAZARD:		There is no data available.		

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY - AQUATIC COMPARTMENT

COMPONENTS		SPECIES	TEST RESULTS
Carbonic acid sodium salt (1: 1)			
ACUTE:			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	4,100 mg/l, 48 hours Flow-through test Analytical monitoring: yes Method: according to a standardized method Unpublished internal reports
Fish	LC50	Lepomis macrochirus (Bluegill sunfish)	Not harmful to aquatic invertebrates. (EC50 > 100 mg/L) 7,100 mg/l, 96 hours Flow-through test Analytical monitoring: yes Method: according to a standardized method Unpublished internal reports Not harmful to fish (LC50 > 100 mg/L)
CHRONIC:			
Crustacea	NOEC	Water flea (Daphnia magna)	> 576 mg/l , 21 Days Semi-static test Analytical monitoring: no Method: OECD Test Guideline 211 Highest concentration tested Published data No adverse chronic effect observed up to and including the threshold of 1 mg/l
PERSISTENCE AND DEGRADABILITY:		Not applicable, inorganic substance	
BIOACCUMULATION:		There is no data available.	
MOBILITY IN SOIL:		There is no data available.	
RESULTS OF PBT AND VPVB ASSESSMENT:		Not applicable, inorganic substance	
OTHER ADVERSE EFFECTS:		There is no data available.	

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Contact waste disposal services. If recycling is not practicable, dispose of in compliance with local regulations. Dilute with plenty of water. Neutralize with acid. In accordance with local and national regulations.

WASTE CODE :

Environmental Protection Agency. Hazardous Waste - NO

ADVICE ON CLEANING AND DISPOSAL OF PACKAGING:

Where possible recycling is preferred to disposal or incineration. Clean container with water. Dispose of rinse water in accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

SECTION 14: TRANSPORT INFORMATION

DOT:	Not regulated as dangerous goods.
TDG:	Not regulated as dangerous goods.
NOM:	Not regulated as dangerous goods.
IATA:	Not regulated as dangerous goods.
IMDG:	Not regulated as dangerous goods.

Note The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15: REGULATORY INFORMATION**INTERNATIONAL INVENTORIES**

COUNTRY(S) OR REGION	INVENTORY NAME	STATUS
Australia	Australian Inventory of Chemical Substances (AICS)	Listed
Canada	Domestic Substances List (DSL)	Listed
China	Inventory of Existing Chemical Substances in China (IECSC)	Listed
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Listed
Korea	Korean Existing Chemicals List (KECL)	Listed
Mexico	Mexico (INSQ)	In compliance
New Zealand	New Zealand Inventory	In compliance
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Listed
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Listed

US FEDERAL REGULATIONS**US. EPA EPCRA SARA TITLE III****SARA HAZARD DESIGNATION SECTIONS 311/312 (40 CFR 370)**

NAME	FIRE HAZARD	SUDDEN RELEASE OF PRESSURE	REACTIVE	IMMEDIATE (ACUTE) HEALTH HAZARD	DELAYED (CHRONIC) HEALTH HAZARD
Carbonic acid sodium salt (1: 1)	No.	No.	No.	No.	No.

SARA 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minim is) reporting levels established by SARA Title III, Section 313.

SARA 302:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
This material does not contain any components with a SARA 302 RQ.

SARA 304:

This material does not contain any components with a section 304 EHS RQ.

US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES 140 CFR 302.41**CERCLA:**

This material does not contain any components with a CERCLA RQ

US STATE REGULATIONS**US. CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects

SECTION 16: OTHER INFORMATION

The above information is given in good faith, and is based upon research of others, and is believed to be accurate by PondMAX USA. No known relevant information has been omitted. The above information is designed to enable the User to use the product safely, and is provided solely for the User's assistance in complying with the Occupational Safety and Health Act of 1970, and the regulations there under. Any other use is prohibited. PondMAX USA assumes no responsibility or liability for any loss, injury, or damage, which may occur from the use or misuse of their products. Also, because actual use by others is beyond our control, no guarantee or warranty, is either expressed or implied, by PondMAX USA, as to the product or its use or misuse. Where the Customer has concerns, it is recommended that the Customer(s) perform their own tests.