

MATERIAL SAFETY DATA SHEET

Product Name: ClorAm-X® Powder

Distributor: Reed Mariculture Inc.
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Campbell, CA 95008
(408) 377-1065
(408) 884-2322 (fax)
sales@reedmariculture.com

Manufacturer: AquaScience Technologies & Research Incorporated
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Richmond, MO 64085-2444

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Effective Date: 03/05/2011 (revised 10/01/14)

SECTION I: PRODUCT IDENTIFICATION

Synonyms: formaldehyde sodium bisulfite; sodium formaldehydebisulfite; methylolsulfonic sodium salt

Chemical Family: reducing agent

SECTION II: PRODUCT COMPOSITION

Formula CAS No.: water: 7732-18-5
sodium hydroxymethanesulfonate: 870-72-4

Molecular Weight: 134.09

Hazardous Ingredients: none

Other Ingredients: sodium bicarbonate

Chemical Formula: in solution: not applicable

SECTION III: PHYSICAL PROPERTIES

Boiling Range: in solution >100° C (>212° F)

Specific Gravity: in solution ~1.1476

Vapor Pressure at 20° C (in mm of Hg): not determined

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Vapor Density (air = 1):	not determined
Solubility in Water:	100% miscible
Evaporation Rate (n-butanol = 1):	not determined
% Volatiles:	approximately 78% (by weight)
Appearance & Odor:	white powder, odorless in solution, colorless liquid, odorless

SECTION IV: FIRE AND EXPLOSION DATA

**Lower Flammability
Limits (% in air):** not flammable

**Flash Point
(and methods):** not flammable

**Flammability
Classification:** none

**Recommended
Extinguishing Media:** none required

**Special Fire Fighting
Procedures:** none

SECTION V: HEALTH INFORMATION

Threshold Limit Value: in solution: non-toxic (by acute oral mammalian toxicity tests) at 5,000 mg/Kg

Effects Of Overexposure: prolonged exposure to the skin may result in rash

**Emergency First Aid
Procedures:**
EYE CONTACT: Flush with water for at least 15 minutes
SKIN CONTACT: Wash exposed areas with soap and water. If irritation occurs, get medical attention.
INHALATION: Do not inhale. Should inhalation occur, flush nose, one nostril at a time with water for 5 minutes.
INGESTION: Treat symptomatically. Four sour or salty taste give sweetened drink.

CALIFORNIA WARNING: This product is not known to contain any detectable amounts of any chemical or chemicals known to the State of California to cause cancer/birth defects or other reproductive harm.

SECTION VI: REACTIVITY DATA

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Stability:	stable
Conditions to Avoid:	none
Incompatibility:	inactivated by strong oxidizers (such as permanganates, nitric acid, chlorine bleach or iodine solutions) and strong acids and bases (such as hydrochloric acid, sodium hydroxide)
Hazardous Decomposition Products:	dry powder may produce sulfur dioxide under conditions of exposure to fire in solution, the same condition exists
Hazardous Polymerization:	will not occur

SECTION VII: FIRE & SPILL/LEAK PROCEDURES

In Case of Fire:	no special extinguishing media nor equipment are needed
In Case of Spill or Accidental Release Or Leak:	spills and accidental release may be rinsed to sanitary sewers
Waste Disposal Procedure:	dispose of per local, state and/or federal regulations for non-hazardous household chemicals

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection:	none required
Local Exhaust:	none required
Protective Gloves:	none required
Eye Protection:	none required
Other Protective Equipment:	none required

SECTION IX: ADDITIONAL PRECAUTIONS

- (1) Persons with pre-existing skin disorders or eye irritations should avoid contact of liquid with eyes and skin.
- (2) Keep container upright and tightly closed when not in use.
- (3) Do not store in direct sunlight.
- (4) Do not add any other materials to the container (including unused material originally removed from the container).

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(5) Store at room temperature.

SECTION X: TRANSPORTATION

D.O.T. Hazard

Classification: none

D.O.T. Label/Placards: none required

UN or NA Number: none

Reportable Quantity: none

Shipping Description: "saline solution", #59370, supplement NMF100C, Class 55

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