



MODERNWATER

Material Safety Data Sheet

Microtox[®] Acute Toxicity Reagent

MATERIAL IDENTIFICATION

Manufacturer/Distributor:	Modern Water Inc. 15 Read's Way, Suite 100 New Castle, DE 19720
Phone Number:	1-(302)669-6900
Trade Names and Synonyms:	Microtox [®] Acute Toxicity Reagent (AZF686018A)
NFPA Ratings	Health: 1 Flammability: 0 Reactivity: 0

OSHA HAZARD DETERMINATION

Hazardous Ingredients	CAS Number	Weight Percent
<i>Vibrio fischeri</i>		4%
Sodium chloride (NaCl) (Sodium chloride is common table salt)	7647-14-5	2%
Non-toxic carbohydrates and pH stabilizers		94%

PHYSICAL DATA

Appearance: dry, white pellet

Appearance after hydration: slightly turbid, off-white solution

HAZARDOUS REACTIVITY

Instability

Stable under ordinary conditions. No hazardous decomposition

products. No potential for spontaneous polymerization. The chemical properties of the powdered mixture are considered stable.

FIRE AND EXPLOSION DATA

Fire and Explosion Hazards	Not considered to be a fire or explosion hazard.
Extinguishing Media	If in a fire, water may be used as extinguishing medium.
Special Fire Fighting Instructions	Does not require special control measures.

HEALTH HAZARD INFORMATION

Primary Route(s) of Exposure/Entry: Sodium chloride: May cause eye irritation.

Signs and Symptoms of Exposure/Medical Conditions Aggravated by Exposure:

Vibrio fischeri: Has not been reported to cause disease in mammals and is not considered to be harmful.

No symptoms of overexposure exist which may cause any medical conditions.

Sodium chloride: Ingestion of large quantities can cause vomiting, diarrhea and dehydration.

Carcinogenicity: None of the components in this material is listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

Applicable Exposure Limits

None established for reagent.

Pure Sodium chloride (Product contains 2% Sodium chloride)

TXDS: orl-rat LD50 3000 mg/kg

FIRST AID

Inhalation	No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary.
Skin Contact	The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion	If large quantities are ingested, call a physician.

PROTECTION INFORMATION

General Control Measures and Precautions: Ventilation - Natural ventilation.

Personal Protective Equipment: Respiratory Protection: None required.

Protective Gloves: Are recommended.

Eye Protection: Safety glasses are recommended.

Other Protective Equipment: Lab coat or other long – sleeved garment is recommended.

SPILL, LEAK AND DISPOSAL INFORMATION

Spill, Leak, or Release Review FIRE AND EXPLOSION HAZARDS and SAFETY PRECAUTIONS before proceeding with clean up.

No special protection information identified.

Spilled material may be absorbed with paper towels. Excess liquid may be flushed down a sewer drain.

Waste Disposal Dispose of in an approved waste disposal facility. Ensure compliance with local, state, and federal regulations.

SHIPPING INFORMATION

DOT Proper Shipping Name Not DOT regulated.

IATA/IMO Proper Shipping Name Not restricted.

TITLE III HAZARD CLASSIFICATION

Acute No

Chronic No

Fire No

Reactivity No

Pressure No

REGULATORY INFORMATION

OSHA HAZARD DETERMINATION: This material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200

EPA DETERMINATIONS:

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, & LIABILITY ACT (CERCLA/SUPERFUND), 40 CFR 302 - This material is not known to contain hazardous substances in sufficient quantity to make it subject to CERCLA regulations.

TOXIC SUBSTANCES CONTROL ACT (TSCA), 40 CFR 710

The material is a mixture as defined by TSCA. The chemical ingredients in this material are in the Section 8(b) Chemical Substance Inventory and/or are otherwise in compliance with TSCA. In the case of ingredients obtained from other manufacturers, Modern Water Inc relies on the assurance of responsible third parties in providing this statement.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), 40 CFR 261, SUBPARTS C AND D

The material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it could be considered hazardous if it meets criteria for being toxic, corrosive, ignitable or reactive according to U.S. EPA definitions (40 CFR 261). This material could also become a hazardous waste if it is mixed with or comes in contact with a listed hazardous waste. If it is a hazardous waste, regulations 40 CFR 262-266 and 268 may apply.

HAZARDOUS MATERIALS TRANSPORTATION REGULATIONS, 49 CFR 171-178 - This material is not known to contain hazardous substances in sufficient quantity to make it subject to the Regulations.

FOREIGN REGULATIONS: CANADIAN HAZARDOUS PRODUCTS ACT (WHMIS)

The material is not a WHMIS Controlled Product.

STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986

("PROPOSITION 65") The material is not known to contain any ingredients (s) subject to the Act.

PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW ACT

This material is not known to contain any ingredient(s) subject to the Act. Non-hazardous ingredient(s) information is withheld as trade secret in accordance with Section 11 of the Pennsylvania Worker and Community Right to Know Act.

The above data are based on tests, experience, and other information which Modern Water Inc. believes reliable and are supplied for informational purposes only. However, some ingredients may have been purchased or obtained from third-party manufacturers. In these instances, Modern Water, Inc., in good faith, relies on information provided by those third parties. Since conditions of use are outside our control, MODERN WATER INC. DISCLAIMS ANY LIABILITY FOR DAMAGE OR INJURY WHICH RESULTS FROM USE OF THE ABOVE DATA. NOTHING CONTAINED HEREIN SHALL CONSTITUTE A GUARANTEE, WARRANTY (INCLUDING WARRANTY OF MERCHANTABILITY) OR REPRESENTATION (INCLUDING FREEDOM FROM PATENT LIABILITY) BY MODERN WATER, INC. WITH RESPECT TO THE DATA, THE MATERIAL DESCRIBED, OR ITS USE FOR ANY SPECIFIC PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO MODERN WATER INC.

Responsibility for MSDS: Modern Water Inc.
15 Read's Way, Suite 100
New Castle, DE 19720
302-669-6900

Revised March 2012

* End of MSDS *

