

# MATERIAL SAFETY DATA SHEET



Maleic Acid 0.050M pH 2.25

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Maleic Acid 0.050M pH 2.25  
Product Code: BDH8896  
Material Uses:  
Manufacturer: Aqua Solutions, Inc  
6913 Hwy 225  
Deer Park, TX 77536  
(281) 479-2569  
Entry Date : 11/30/2009  
Print Date: 7/21/2010  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	0			
Flammability:	0			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

## SECTION 2 HAZARD IDENTIFICATION

MAY CAUSE EYE AND SKIN IRRITATION. MAY BE HARMFUL IF INHALED OR SWALLOWED. Avoid contact with skin and clothing. Wash thoroughly after handling.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Maleic Acid (Toxic Acid)	CAS# 110-16-7	< 1%	W/W	TXDS: orl-rat LD <sub>50</sub> : 708 mg/Kg
<input checked="" type="checkbox"/>	Sodium Hydroxide	CAS# 1310-73-2	< 0.50%	W/V	OSHA PEL 2 mg/m <sup>3</sup> ACGIH 2mg/m <sup>3</sup>
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

## SECTION 4 FIRST AID MEASURES

MAY CAUSE EYE AND SKIN IRRITATION. MAY BE HARMFUL IF INHALED OR SWALLOWED. Avoid contact with skin and clothing. Wash thoroughly after handling.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.

INGESTION: Get medical attention if symptoms occur. Wash out mouth with water. Move exposed person to fresh air. If exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel

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**SECTION 5 FIRE FIGHTING MEASURES**

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire  
Fire / Explosion Hazards: None Known.  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Wear Protective equipment. Sweep up, place in a bag and hold for waste disposal.

**SECTION 7 HANDLING AND STORAGE**

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: NIOSH/MSHA-approved respirator  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Wear appropriate gloves to prevent skin exposure  
Eye Protection: Safety Glasses w/ Side Shields  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	-0.1 deg C	Percent Volatile by Volume:	information not available
Boiling Point:	99.9 deg C	Evaporation Rate	0.36
Vapor Pressure:	Information not available	Evaporation Standard	Butylacetate = 1
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	information not available	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Clear liquid/odorless	Upper Flamm. Limit in Air	Not applicable
Flash Point:	information not available		
Specific Gravity:	information not available		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: None known

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Materials to Avoid: None known  
Hazardous Decomposition Products: None known.  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

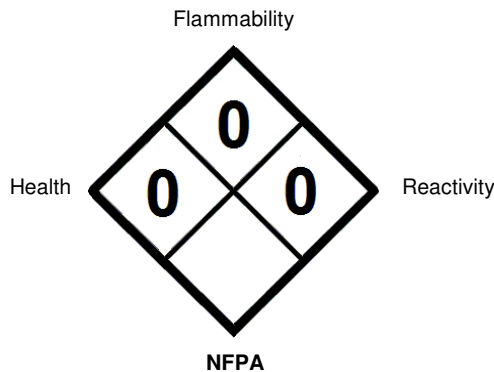
DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15 Regulatory Information**

**SECTION 16 Additional Information**

Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. May be harmful if swallowed. .



**Revisions**

7/20/2010	0	Review date for MSDS. STN
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