

GRAYMILLS CORPORATION

MATERIAL SAFETY DATA SHEET

NFPA HAZARD RATING	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	1

Conforms to OSHA form No. 1218-0072
Complies with OSHA hazard communication standard, 29CFR1910.1200

IDENTITY: **Aquatene GM390**
CHEMICAL FAMILY: Cleaning compound, liquid detergent

SECTION I

MANUFACTURER'S NAME: Graymills Corporation ADDRESS: 3705 North Lincoln Ave. Chicago, Illinois 60613	EMERGENCY #: 1-800-424-9300 (CHEMTREC) DATE PREPARED: September 27, 2010 PREPARED BY: Robert E. Schmalz, Jr. PREPARERS SIGNATURE: <i>Robert E. Schmalz, Jr.</i>
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SECTION II - INGREDIENTS/IDENTITY INFORMATION

SPECIFIC CHEMICAL IDENTITY/COMMON NAME(S):	OSHA PEL	ACGIH TLV	CAS#	CONCENTRATION RANGE %
Sodium Metasilicate	N/A	2mg/m ³	6834-92-0	<10
Potassium Hydroxide	2mg/m ³	2mg/m ³	1310-58-03	<20
Sodium Nitrite	N/A	N/A	7632-00-0	<1

SECTION III- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (FAHRENHEIT): 214°F/102°C VAPOR PRESSURE (mm Hg @ 20°C): N/A VAPOR DENSITY (AIR=1): N/A VOC CONTENT: 0	SPECIFIC GRAVITY (WATER=1): 1.08 MELTING POINT: N/A EVAPORATION RATE (n-BUTYL ACETATE=1): N/A pH: 13.8
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SOLUBILITY IN WATER: Complete
APPEARANCE & ODOR: Clear liquid, no odor.

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): None
 FLAMMABLE LIMITS: None
 LEL:
 UEL:
 EXTINGUISHING MEDIA: Non-flammable
 SPECIAL FIRE FIGHTING PROCEDURES: None
 UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V- REACTIVITY DATA

STABILITY: Unstable Stable
 CONDITIONS TO AVOID: Addition of strong acids

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid cleaning non-ferrous metals like aluminum, brass, copper, magnesium, titanium, zinc, etc. All plated parts should be test cleaned for possible chemical reactions.

HAZARDOUS DECOMPOSITION OF BY-PRODUCTS: None

HAZARDOUS POLYMERIZATION: May Occur Will not Occur

CONDITIONS TO AVOID: None

SECTION VI- HEALTH HAZARD DATA	
ROUTE(S) OF ENTRY:	INHALATION <input checked="" type="checkbox"/> SKIN <input checked="" type="checkbox"/> INGESTION <input checked="" type="checkbox"/>
HEALTH HAZARDS (ACUTE & CHRONIC):	Alkaline product, inhalation of mist of solution may be irritating to the eyes, skin, respiratory tract, and esophagus. Prolonged exposure to skin may cause irritation.
CARCINOGENICITY:	NTP <input type="checkbox"/> IARC MONOGRAPHS <input type="checkbox"/> OSHA REGULATED <input type="checkbox"/>
SIGNS & SYMPTOMS OF EXPOSURE:	Irritation of throat, coughing, redness of skin.
MEDICAL CONDITIONING GENERALLY AGGRAVATED BY EXPOSURE:	Asthma; Emphysema
EMERGENCY & FIRST AID PROCEDURES:	Skin contact: Wash with water, apply bactericidal ointment or lanolin cream. If rash or irritation occurs, get medical attention. Eyes: Irrigate with water for 15 minutes, see doctor. Ingestion: Contains Alkaline detergents. Do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration. Give large quantity of orange juice, milk, or water. See doctor.
SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	Absorb with inert absorbent, put into container for proper disposal.
WASTE DISPOSAL METHOD:	Dilute or neutralize to under 9.0 pH, skim oil from surface and remove chips and sludge from solution. Dispose of in accordance with Federal, State, and Local regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING & STORING:	Do not store in aluminum or copper container. Keep drum closed.
OTHER PRECAUTIONS:	Solution may affect plated parts - use caution.
SECTION VIII - CONTROL MEASURES	
RESPIRATORY PROTECTION (SPECIFY TYPE):	None
<u>VENTILATION</u>	
LOCAL EXHAUST:	Yes
MECHANICAL (GENERAL):	None
SPECIAL:	None
PROTECTIVE GLOVES:	Rubber or Nitrile
EYE PROTECTION:	Safety glasses
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	Chemical resistant apron and goggles.
WORK/HYGIENIC PRACTICES:	Remove contaminated clothing immediately, wash well. Use lanolin cream if skin gets dry.
SECTION IX - TRANSPORTATION INFORMATION	
<u>DOMESTIC (DOT)</u>	
GROUND:	Not Restricted
AIR:	Not Restricted
<u>INTERNATIONAL (ICAO/IATA)</u>	
GROUND:	Not Restricted
AIR:	Not Restricted
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