

GRAYMILLS CORPORATION MATERIAL SAFETY DATA SHEET

NFPA HAZARD RATING	
HEALTH	2
FLAMMABILITY	0
REACTIVITY	2

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

IDENTITY:	Aquatene GM581
CHEMICAL FAMILY:	Cleaning compound, alkaline powder

SECTION I

MANUFACTURERS NAME: Graymills Corporation	EMERGENCY #: 1-800-424-9300 (CHEMTREC)
ADDRESS: 3705 North Lincoln Ave. Chicago, Illinois 60613	TELEPHONE #: 1-773-248-6825
	DATE PREPARED: July 1, 1998
	PREPARERS SIGNATURE: <i>R.A. Patel</i>

SECTION II - INGREDIENTS/IDENTITY INFORMATION

SPECIFIC CHEMICAL IDENTITY/COMMON NAME(S):	OSHA PEL	ACGIH TLV	CAS#	CONCENTRATION RANGE %
Sodium Hydroxide (powder)	2mg/m ³	2mg/m ³	1310-73-2	<60

SECTION III- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (FAHRENHEIT): N/A	SPECIFIC GRAVITY (WATER=1): N/A
VAPOR PRESSURE (mm Hg @ 25°C): N/A	MELTING POINT: N/A
VAPOR DENSITY (AIR=1): N/A	EVAPORATION RATE (n-BUTYL ACETATE=1): N/A
	pH (2% WATER SOLUTION): 12.4-13.6
SOLUBILITY IN WATER: Excellent	
APPEARANCE & ODOR: White granular, dust irritating to nasal passages	

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

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

SECTION V- REACTIVITY DATA

STABILITY:	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>
CONDITIONS TO AVOID:	Additions of acids	
INCOMPATIBILITY (MATERIAL TO AVOID):	Acids, aluminum, zinc, magnesium	
HAZARDOUS DECOMPOSITION OF BYPRODUCTS:	A very small amount of nitrous oxide may form upon contact with acids.	
HAZARDOUS POLYMERIZATION:	May Occur <input type="checkbox"/>	Will not Occur <input checked="" type="checkbox"/>
CONDITIONS TO AVOID:	Avoid contact with acids, strong oxidizer or reducing agents.	

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION SKIN INGESTION

HEALTH HAZARDS (ACUTE & CHRONIC): Alkaline product, inhalation of dust and/or mist of solution may be irritating to the eyes, skin, respiratory tract, and esophagus. May cause caustic burns of skin and eyes.

CARCINOGENICITY: NTP NO IARC MONOGRAPHS NO OSHA REGULATED NO

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 vinegar and water, apply bactericidal ointment or lanolin cream. Get medical attention.
 Eyes: Irrigate with water for 15 minutes, see doctor.
 Ingestion: Contains sodium hydroxide, do not induce vomiting. See doctor. If vomiting occurs, keep head below hips to prevent aspiration.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wash off directly to sewer with plenty of water.

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. Keep drum closed. Keep from contact with water.

OTHER PRECAUTIONS: For use only on ferrous metals. Do not use solution with plated parts, aluminum, zinc, brass, and magnesium.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSH approved filter mask to prevent inhalation of product dust.

VENTILATION
 LOCAL EXHAUST: None
 MECHANICAL (GENERAL): None
 SPECIAL: None

PROTECTIVE GLOVES: Rubber or Nitrile

EYE PROTECTION: Safety glasses, face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Chemical resistant apron & goggles.

WORK/HYGIENIC PRACTICES: Avoid contact with skin. Remove contaminated clothing immediately.

SECTION IX - TRANSPORTATION INFORMATION

DOMESTIC (DOT)
 GROUND: Corrosive solids, n.o.s., Class 8, UN1759, Packaging Group II
 AIR: Use International Regulations.

INTERNATIONAL (ICAO/IATA)
 GROUND: Corrosive solids, n.o.s., Class 8, UN1759, Packaging Group II
 AIR: Corrosive solids, n.o.s., Class 8, UN1759, Packaging Group II

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