

SAFETY DATA SHEET

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Aquatene™ 571

Date Prepared: 06/18/2018
SDS No.: Aquatene 571_0721

SECTION 1: IDENTIFICATION

PRODUCT NAME: AQUATENE 571

SYNONYMS: GM571-25, GM571-100

PRODUCT USE: CLEANING COMPOUND, POWDER DETERGENT MIXES WITH WATER; FOR USE ON NON-FERROUS METALS AND ALUMINUM; LOW FOAM FORMULA FOR SPRAY WASHING APPLICATIONS

MANUFACTURED FOR: GRAYMILLS CORPORATION | 2601 S. 25TH AVENUE | BROADVIEW, IL 60155 USA | 773-248-6825

MANUFACTURER: ALLEN WOODS & ASSOCIATES, INC., 2515 CLEARWATER DRIVE,
ARLINGTON HEIGHTS, IL 60005 | 847-806-4000

EMERGENCY: CHEMTREC | 1-800-424-9300 (within the U.S.) | +1-703-741-5500 (outside of U.S.)
AAPCC Poison Help | 1-800-222-1222

SECTION 2: HAZARD IDENTIFICATION

GHS CLASSIFICATION:

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Skin Corrosion, 1A: H314
Eye Damage, 1: H318
STOT SE 3: H335

LABEL ELEMENTS

GHS LABEL:



SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

H335: May cause respiratory irritation

PRECAUTIONARY STATEMENTS

P260: Do not breathe dust

P261: Avoid breathing dust

P264: Wash hands, forearms, face and clothing thoroughly after handling

P271: Use only outdoors or in a well-ventilated area

P280: Wear eye protection, face protection, protective clothing, protective gloves

P301+P330+P331: If swallowed, rinse mouth. Do not induce vomiting

P303+P361+P353: If on skin or hair, take immediately all contaminated clothing. Rinse skin with water/shower

P304+P340: If inhaled, remove person to fresh air and keep comfortable for breathing

P305+P351+P338: If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call doctor or Poison Center

P312: Call a doctor, a Poison Center if you feel unwell

P321: Specific treatment (see a doctor on this label)

P363: Wash contaminated clothing before reuse

P403+P233: Store in well-ventilated place. Keep container tightly closed

P405: Store locked up

P501: Dispose of contents/ container to hazardous or special waste collection point in accordance with local and regional, national and/or international regulation

OTHER HAZARDS

No additional information available

UNKNOWN ACUTE TOXICITY (GHS US)

Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE:

Not applicable

MIXTURE

Name	CAS Number	%	Classification (GHS-US)
Sodium Carbonate	497-19-8	20-50	Skin Corr. 1A, H314 Eye Damage 1, H318
Sodium Metasilicate	6834-92-0	20-50	Skin Corr. 1A, H314 Eye Damage 1, H318 STOT SE 3, H335
Sodium Tripolyphosphate	7758-29-4	10-20	Skin irritant 2, H315 Eye irritant 2A, H319
Oxirane, Methyl, Polymer	9003-11-6	5-10	Skin irritant 2, H315 Eye irritant 2A, H319 Aquatic Acute 3, H402
Diethylene Glycol Mono- Butyl Ether	112-34-5	1-3	Eye irritant 2A, H319

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

INHALATION: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell.

SKIN: Immediately remove/ take off all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

INGESTION: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

SIGNS AND SYMPTOMS OF OVEREXPOSURE (ACUTE AND DELAYED)

SKIN: Causes severe skin burns and eye damage.

INHALATION: May cause respiratory irritation.

EYES: Serious eye damage

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No additional information available

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Foam, Dry Powder, Carbon Dioxide, Water Spray, Sand.

UNSUITABLE EXTINGUISHING MEDIA: Do not use a heavy water stream.

REACTIVITY: Thermal decomposition generates corrosive vapors.

FIREFIGHTING PROCEDURES: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

FIRE FIGHTING EQUIPMENT: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

NON-EMERGENCY PERSONNEL: Evacuate unnecessary personnel

EMERGENCY RESPONDERS: Equip cleanup crew with proper protection. Ventilate area

ENVIRONMENTAL PRECAUTIONS: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

REFERENCE TO OTHER SECTIONS: See Heading 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe dust/fume/gas/mist/vapors/ spray. Avoid contact during pregnancy/while nursing. Use only outdoors or in a well ventilated area.

HYGIENE MEASURES: Wash thoroughly after handling.

TECHNICAL MEASURES: Comply with applicable regulations.

STORAGE CONDITION: Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

INCOMPATIBLE PRODUCTS: Strong bases. Strong acids.

INCOMPATIBLE MATERIALS: Sources of ignition. Direct sunlight.

SPECIFIC END USE(S): No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Ingredient Name	CAS#	ACGIH	OSHA
Sodium Carbonate	497-19-8	Not applicable	Not applicable
Sodium Metasilicate	6834-92-0	Not applicable	Not applicable
Diethylene Glyco Mono- Butyl Ether	112-34-5	ACGIH TWA (ppm), 10 ppm ACGIH STEL (ppm), 10 ppm	Not applicable
Oxirane, Methyl, Polymer	900-11-6	Not applicable	Not applicable
Sodium Tripolyphosphate	7758-29-4	Not applicable	Not applicable

EXPOSURE CONTROLS

PERSONAL PROTECTIVE EQUIPMENT (PPE): Avoid unnecessary exposure. Do not eat, drink or smoke during use.

HAND: Wear protective gloves

EYE: Chemical goggles or face shield

SKIN: Wear suitable protective clothing

RESPIRATORY PROTECTION: Wear appropriate mask

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Solid, White
ODOR:	Characteristic
ODOR THRESHOLD:	No data available
pH:	No data available
pH SOLUTION:	12.5 (2% wt.)
MELTING POINT:	No data available
FREEZING POINT:	No data available
INITIAL BOILING POINT AND BOILING RANGE:	No data available
FLASH POINT:	No data available
EVAPORATION RATE:	No data available
FLAMMABILITY (SOLID, GAS):	No data available
EXPOSURE LIMITS:	No data available
EXPLOSIVE PROPERTIES:	No data available
OXIDIZING PROPERTIES:	No data available
VAPOR PRESSURE:	No data available
RELATIVE DENSITY:	No data available
RELATIVE VAPOR DENSITY AT 20° C:	No data available

SOLUBILITY (IES):	Water: Solubility in water of component(s) of the mixture 22 g/100ml, > 18 g/100ml, 64 g/100ml, 55 g/100ml, 15 g/ 100ml
Log P_{ow}:	No data available
Log K_{ow}:	No data available
AUTO-IGNITION TEMPERATURE:	No data available
DECOMPOSITION TEMPERATURE:	No data available
VISCOSITY:	No data available
VISCOSITY KINEMATIC:	No data available
VISCOSITY DYNAMIC:	No data available
OTHER INFORMATION:	No additional information available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Thermal decomposition generates corrosive vapors

CHEMICAL STABILITY: Not established

POSSIBILITY OF HAZARDOUS REACTIONS: Not established

CONDITIONS TO AVOID: Direct sunlight. Extremely high or low temperatures.

INCOMPATIBLE MATERIALS: Strong acids. Strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates corrosive vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY : Not classified

Sodium Carbonate

LD50 oral rat: 2800 mg/kg (Rat, Experimental value)

LD50 dermal rabbit: > 2000 mg/kg (Rabbit experimental value)

ATE US (oral): 2000.000 mg/kg body weight

Sodium Metasilicate

LD50 dermal rat: >5000 mg/kg body weight (Rat, read- across, OECD 402, Acute Dermal Toxicity)

Diethylene Glycol Mono-Butyl Ether

LD50 dermal rabbit: 2764 mg/kg body weight (Rabbit, experimental value, equivalent or similar to OECD 402)

ATE US (dermal): 2764.00 mg/kg body weight

Sodium Tripolyphosphate

LD50 oral rat: >2000 mg/kg (Rat)

LD50 dermal rabbit: >4640 mg/kg (Rabbit)

SKIN EFFECTS: Causes severe skin burns and eye damage.

EYE EFFECTS: Causes serious eye damage

RESPIRATORY EFFECTS: Not classified

MUTAGENICITY: Not classified

CARCINOGENICITY:	Not Classified
REPRODUCTIVE TOXICITY:	Not classified
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):	May cause respiratory irritation
REPEATED DOSE TOXICITY:	Not classified
ASPIRATION HAZARD:	Not Classified
POTENTIAL ADVERSE HUMAN HEALTH EFFECTS AND SYMPTOMS:	Based on available data, the classification criteria are not met
INHALATION:	May cause respiratory irritation

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

SODIUM CARBONATE (497-19-8)

LC50 FISH 1:	300 mg/L 96 h, <i>Lepomis macrochirus</i>
EC50 DAPHNIA 1:	<424 mg/L (48 h <i>Daphnia magna</i>)
EC50 OTHER AQUATIC ORGANISMS 1:	14 mg/L (168 h, Plankton)
LC50 FISH 2:	740 mg/L (96 h; <i>Gambusia affinis</i>)
LC50 DAPHNIA 2:	265 mg/L (48 h; <i>Daphnia magna</i>)
TLM FISH 1:	300 ppm (96 h; <i>Lepomis macrochirus</i>)
TLM OTHER AQUATIC ORGANISMS 1:	500 ppm (96 <i>Daphnia magna</i>)
Threshold Limit	
Algae 1:	242 mg/L (5 days, Algae)

SODIUM METASILICATE (6834-92-0)

LC50 FISH 1:	210 mg/l (96 h; <i>Brachydanio rerio</i>)
EC50 DAPHNIA 1:	216 mg/l (96 h; <i>Daphnia magna</i> ; GLP)
LC50 FISH 2:	2320 mg/l (96 h; <i>Gambusia affinis</i>)
EC50 DAPHNIA 2:	632 mg/l (96 h; <i>Lymnaea</i> sp.)
THRESHOLD LIMIT	
ALGAE 1:	207 mg/l (72 h; <i>Scenedesmus subspicatus</i> ; GLP)

DIETHYLENE GLYCOL MONO-BUTYL ETHER (112-34-5)

LC50 FISH:	1300 mg/l (96 h; <i>Lepomis macrochirus</i>)
EC50 DAPHNIA 1:	4950 mg/l (48 h; <i>Daphnia magna</i>)
THRESHOLD LIMIT ALGAE 1:	> 100 mg/l (96 h; <i>Desmodesmus subspicatus</i>)

SODIUM TRIPOLYPHOSPHATE (7758-29-4)

LC50 FISH 1:	1650 mg/l (48 h; <i>Leuciscus idus</i>)
EC50 DAPHNIA 1:	1089 mg/l (505 h; <i>Daphnia magna</i>)
EC50 OTHER AQUATIC ORGANISMS 1:	> 1000 mg/l (3 h; Activated sludge)
EC50 DAPHNIA 2:	1154 mg/l (25 h; <i>Daphnia magna</i>)

PERSISTENCE AND DEGRADABILITY

SODIUM CARBONATE (497-19-8)

PERSISTENCE AND DEGRADABILITY: Biodegradability: not applicable. Low potential for adsorption in soil.

ThOD: Not applicable (inorganic)

SODIUM METASILICATE (6834-92-0)

PERSISTENCE AND DEGRADABILITY: Biodegradability: not applicable. No (test) data on mobility of the substance available.

BIOCHEMICAL OXYGEN DEMAND (BOD): N/A

CHEMICAL OXYGEN DEMAND (COD): N/A

ThOD: N/A

BOD (% OF THOD): N/A

DIETHYLENE GLYCOL MONO-BUTYL ETHER (112-34-5)

Persistence and degradability: Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air.

OXIRANE, METHYL-, POLYMER (9003-11-6)

Persistence and degradability: Not readily biodegradable in water.

SODIUM TRIPOLYPHOSPHATE (7758-29-4)

Persistence and degradability: Biodegradability: not applicable.

Biochemical oxygen demand (BOD): Not applicable

Chemical oxygen demand (COD): Not applicable

ThOD: Not applicable

BOD (% of ThOD): Not applicable

BIOACCUMULATIVE POTENTIAL

SODIUM CARBONATE (497-19-8)

Log Pow: -6.19 (estimated value)

Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

SODIUM METASILICATE (6834-92-0)

Bioaccumulative potential: Bioaccumulation: not applicable.

DIETHYLENE GLYCOL MONO-BUTYL ETHER (112-34-5)

Log Pow: 1 (Test data; Equivalent or similar to OECD 107; 20 °C)

Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

OXIRANE, METHYL-, POLYMER (9003-11-6)

Bioaccumulative potential: Not bioaccumulative.

SODIUM TRIPOLYPHOSPHATE (7758-29-4)

Bioaccumulative potential: Not bioaccumulative.

MOBILITY IN SOIL

DIETHYLENE GLYCOL MONO-BUTYL ETHER (112-34-5)

Surface tension: 0.0069 N/m (20 °C)

ADVERSE EFFECTS

EFFECT ON THE GLOBAL WARMING: No known ecological damage caused by this product.

OTHER INFORMATION: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL RECOMMENDATIONS: Dispose in a safe manner in accordance with local/national regulations.

ECOLOGY - WASTE MATERIALS: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

Department of Transportation (DOT)

In accordance with DOT

Transport document description: UN3253 Disodium trioxosilicate, mixture, 8, III
UN-No. (DOT): UN3253
Proper Shipping Name (DOT): Disodium trioxosilicate
Class (DOT): 8-Class, 8-Corrosive material 49 CFR 173.136
Packing group (DOT): III-Minor Danger
Hazard labels (DOT): 8 – Corrosive



DOT Packaging Non Bulk (49 CFR 173.xxx): 213
DOT Packaging Bulk (49 CFR 173.xxx): 240

DOT Special Provisions (49 CFR 172.102) IB8 – Authorized IBC's: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 21HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2)

IP3 – Flexible IBC's must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner

T1-1.5178.274(d)(2) Normal-----178.275(d)(2)

TP33 – The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substance transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances for packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter

DOT Packaging Exceptions (49 CFR 173.xxx): 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): 25 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): 100 kg

DOT Vessel Stowage Location: A-The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel
 DOT Vessel Stowage Other: 52-Stow "separated from" acids
 Emergency Response Guide (ERG) Number: 154
 Other information: No supplementary information available

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

SODIUM CARBONATE (497-19-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SODIUM METASILICATE (6834-92-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

DIETHYLENE GLYCOL MONO-BUTYL ETHER (112-34-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
 SARA Section 313 - Emission Reporting 100 % Glycol Ethers

OXIRANE, METHYL-, POLYMER (9003-11-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SODIUM TRIPOLYPHOSPHATE (7758-29-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
 Not listed on the United States SARA Section 313
 RQ (Reportable quantity, section 304 of EPA's List: 5000 pounds

INTERNATIONAL REGULATIONS

CANADA: No additional information available

EU-REGULATIONS: No additional information available

CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008 [CLP]: No additional information available

CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EEC [DSD] OR 1999/45/EC [DPD]: Not classified

NATIONAL REGULATIONS: No additional information available

15.3. US STATE REGULATIONS

SODIUM TRIPOLYPHOSPHATE (7758-29-4)

Massachusetts: Right to Know List
Pennsylvania: Right to Know List

SECTION 16: OTHER INFORMATION

FULL TEXT OF H-PHRASES

Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3

H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H402	Harmful to aquatic life

PREPARED BY: Rob Cotner **DATE PREPARED:** 06/18/2018

To ensure that you have the most current SDS, please check our website www.graymills.com

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