

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.13.2018

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## Washing Powder #1

### SECTION 1: Identification

#### Product identifier

**Product name:** Washing Powder #1

**Product code:** TD5000

#### Recommended use of the product and restriction on use

**Relevant identified uses:** Not determined or not applicable.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

#### Manufacturer or supplier details

##### Manufacturer:

AquaPhoenix Scientific  
860 Gitts Run Road  
Hanover  
PA 17331  
(717) 632-1291

##### Supplier:

AquaPhoenix Scientific Inc.  
860 Gitts Run Road  
Hanover  
PA 17331  
(717) 632-1291

#### Emergency telephone number:

**United States**

Emergency Telephone No.: 800-255-3924

### SECTION 2: Hazard(s) identification

#### GHS classification:

Serious eye damage, category 1

Skin sensitization, category 1

Skin irritation, category 2

Specific target organ toxicity - repeated exposure, category 2

#### Label elements

##### Hazard pictograms:



**Signal word:** Danger

#### Hazard statements:

H318 Causes serious eye damage

H317 May cause an allergic skin reaction

H315 Causes skin irritation

H373 May cause damage to organs through prolonged or repeated exposure

#### Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection

P272 Contaminated work clothing should not be allowed out of the workplace

P264 Wash skin thoroughly after handling

P260 Do not breathe dust/fume/gas/mist/vapors/spray

P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see supplemental first aid instructions on this label).

P302+P352 If on skin: Wash with soap and water

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention

P362 Take off contaminated clothing and wash before reuse

P314 Get medical advice/attention if you feel unwell

P501 Dispose of contents and container as instructed in Section 13

**Hazards not otherwise classified:** None

### SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 343978-15-4	Sodium heptadecyl sulfate branched	1-5
CAS number: 68585-34-2	Alcohols, C10-16, ethoxylated, sulfates, sodium salts	1-5
CAS number: 15630-89-4	Sodium Percarbonate	1-5
CAS number: 343978-24-5	Sodium cetyl sulfate branched	1-5
CAS number: 1344-00-9	Silicic acid, aluminum sodium salt	15-20
CAS number: 91125-43-8	sodium 2-(nonanoyloxy)benzenesulfonate	1-5
CAS number: 497-19-8	Sodium Carbonate	25-30
CAS number: 1344-09-8	Silicic acid, sodium salt	1-5
CAS number: 68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	5-10
CAS number: 68081-98-1	Sulfuric acid, mono-C14-18-alkyl esters, sodium salts	1-5
CAS number: 140-01-2	Pentasodium (carboxylatomethyl)iminobis(ethylenenitrilo)tetraacetate	0.5-1.5

**Additional Information:** None

### SECTION 4: First aid measures

#### Description of first aid measures

##### General notes:

Not determined or not applicable.

##### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

##### After skin contact:

Rinse affected area with soap and water

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If symptoms develop or persist, seek medical attention

Wash affected area with soap and water

Seek medical attention if symptoms develop or persist

#### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

Remove contact lens(es) if able to do so during rinsing

Immediately call a POISON CONTROL CENTER or seek medical attention

#### After swallowing:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

### Most important symptoms and effects, both acute and delayed

#### Acute symptoms and effects:

Not determined or not applicable.

#### Delayed symptoms and effects:

Not determined or not applicable.

### Immediate medical attention and special treatment

#### Specific treatment:

Not determined or not applicable.

#### Notes for the doctor:

Not determined or not applicable.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

#### Unsuitable extinguishing media:

Not determined or not applicable.

### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

### Special protective equipment for firefighters:

Wear protective eye wear, gloves and clothing

Refer to Section 8

### Special precautions:

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols

Avoid contact with skin, eyes and clothing

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Ensure air handling systems are operational

Wear protective eye wear, gloves and clothing

### Environmental precautions:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

### Methods and material for containment and cleaning up:

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Wear protective eye wear, gloves and clothing

### Reference to other sections:

Not determined or not applicable.

## SECTION 7: Handling and storage

### Precautions for safe handling:

Do not eat, drink, smoke or use personal products when handling chemical substances.

Avoid breathing mist or vapor.

### Conditions for safe storage, including any incompatibilities:

Store in a cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Silicic acid, aluminum sodium salt	1344-00-9	8-Hour Exposure Limit (TLV-TWA): 1 mg/m <sup>3</sup>
NIOSH	Silicic acid, aluminum sodium salt	1344-00-9	NIOSH Recommended exposure limit (REL) [for up to a 10-hour workday during a 40-hour workweek]: 2 mg/m <sup>3</sup>
United States (OSHA)	Silicic acid, aluminum sodium salt	1344-00-9	OSHA TWA: 2 mg/m <sup>3</sup>

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Information on monitoring procedures:

Not determined or not applicable.

### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

### Personal protection equipment

#### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance.

#### Respiratory protection:

When necessary, use NIOSH-approved breathing equipment.

### General hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	White powder
Odor	Scented
Odor threshold	Not determined or not available.

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pH	10 - 11.5
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	420 - 650 g/L
Solubilities	Soluble in water
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

### Other information

### SECTION 10: Stability and reactivity

#### Reactivity:

Does not react under normal conditions of use and storage.

#### Chemical stability:

Stable under normal conditions of use and storage.

#### Possibility of hazardous reactions:

None under normal conditions of use and storage.

#### Conditions to avoid:

None known.

#### Incompatible materials:

None known.

#### Hazardous decomposition products:

None known.

### SECTION 11: Toxicological information

#### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

#### Substance data:

Name	Route	Result
Sodium Percarbonate	oral	LD50 Oral - Rat - 2000 mg/kg

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#### Skin corrosion/irritation

**Assessment:** Causes skin irritation

**Product data:** No data available.

**Substance data:**

Name	Result
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	Causes skin irritation.
Sulfuric acid, mono-C14-18-alkyl esters, sodium salts	Causes skin irritation
Alcohols, C10-16, ethoxylated, sulfates, sodium salts	Causes skin irritation

#### Serious eye damage/irritation

**Assessment:** Causes serious eye damage

**Product data:** No data available.

**Substance data:**

Name	Result
Sodium Carbonate	Causes serious eye irritation.
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	Causes serious eye irritation
Sulfuric acid, mono-C14-18-alkyl esters, sodium salts	Causes serious eye damage
Sodium Percarbonate	Causes serious eye damage
sodium 2-(nonanoyloxy)benzenesulfonate	Causes serious eye damage
Alcohols, C10-16, ethoxylated, sulfates, sodium salts	Causes eye irritation

#### Respiratory or skin sensitization

**Assessment:** May cause an allergic skin reaction

**Product data:** No data available.

**Substance data:**

Name	Result
sodium 2-(nonanoyloxy)benzenesulfonate	May cause an allergic skin reaction.

#### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

#### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

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**Substance data:** No data available.

#### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Pentasodium (carboxylatomethyl)iminobis(et hyleneitrilo)tetraacetate	Suspected of damaging fertility or the unborn child

#### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Benzenesulfonic acid, mono- C10-16-alkyl derivs., sodium salts	May cause respiratory irritation to organs through single exposure

#### Specific target organ toxicity (repeated exposure)

**Assessment:** May cause damage to organs through prolonged or repeated exposure

**Product data:** No data available.

**Substance data:**

Name	Result
Pentasodium (carboxylatomethyl)iminobis(et hyleneitrilo)tetraacetate	May cause damage to organs through prolonged or repeated exposure.

#### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Information on likely routes of exposure:** No data available.

**Symptoms related to the physical, chemical and toxicological characteristics:** No data available.

**Other information:** No data available.

### SECTION 12: Ecological information

#### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Sodium Carbonate	LC50 - Lepomis macrochirus (Bluegill) - 300 mg/l - 96 h
	EC50 - Daphnia magna (Water flea) - 265 mg/l - 48 h

#### Chronic (long-term) toxicity

**Product data:** No data available.

**Substance data:** No data available.

#### Persistence and degradability

**Product data:** No data available.

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**Substance data:** No data available.

#### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

#### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.

### SECTION 13: Disposal considerations

#### Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11)

### SECTION 14: Transport information

#### United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### International Maritime Dangerous Goods (IMDG)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

### SECTION 15: Regulatory information

#### United States regulations

##### Inventory listing (TSCA):

497-19-8	Sodium Carbonate	Listed
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1344-00-9	Silicic acid, aluminum sodium salt	Listed
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	Listed
1344-09-8	Silicic acid, sodium salt	Listed
68081-98-1	Sulfuric acid, mono-C14-18-alkyl esters, sodium salts	Listed
15630-89-4	Sodium Percarbonate	Listed
91125-43-8	sodium 2-(nonanoyloxy)benzenesulfonate	Listed
343978-15-4	Sodium heptadecyl sulfate branched	Listed
343978-24-5	Sodium cetyl sulfate branched	Listed
68585-34-2	Alcohols, C10-16, ethoxylated, sulfates, sodium salts	Listed
140-01-2	Pentasodium (carboxylatomethyl)iminobis(ethylenitrilo)tetraacetate	Listed

**Significant New Use Rule (TSCA Section 5):** Not determined.

**Export notification under TSCA Section 12(b):** Not determined.

#### SARA Section 311/312 hazards:

Acute	Chronic	Fire	Pressure	Reactive
Yes	Yes	No	No	No

**SARA Section 302 extremely hazardous substances:** Not determined.

#### SARA Section 313 toxic chemicals:

497-19-8	Sodium Carbonate	Not Listed
1344-00-9	Silicic acid, aluminum sodium salt	Not Listed
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	Not Listed
1344-09-8	Silicic acid, sodium salt	Not Listed
68081-98-1	Sulfuric acid, mono-C14-18-alkyl esters, sodium salts	Not Listed
15630-89-4	Sodium Percarbonate	Not Listed
91125-43-8	sodium 2-(nonanoyloxy)benzenesulfonate	Not Listed
343978-15-4	Sodium heptadecyl sulfate branched	Not Listed
343978-24-5	Sodium cetyl sulfate branched	Not Listed
68585-34-2	Alcohols, C10-16, ethoxylated, sulfates, sodium salts	Not Listed
140-01-2	Pentasodium (carboxylatomethyl)iminobis(ethylenitrilo)tetraacetate	Not Listed

**CERCLA:** Not determined.

**RCRA:** Not determined.

**Section 112(r) of the Clean Air Act (CAA):** Not determined.

#### Massachusetts Right to Know:

497-19-8	Sodium Carbonate	Not Listed
1344-00-9	Silicic acid, aluminum sodium salt	Not Listed

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68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	Not Listed
1344-09-8	Silicic acid, sodium salt	Not Listed
68081-98-1	Sulfuric acid, mono-C14-18-alkyl esters, sodium salts	Not Listed
15630-89-4	Sodium Percarbonate	Not Listed
91125-43-8	sodium 2-(nonanoyloxy)benzenesulfonate	Not Listed
343978-15-4	Sodium heptadecyl sulfate branched	Not Listed
343978-24-5	Sodium cetyl sulfate branched	Not Listed
68585-34-2	Alcohols, C10-16, ethoxylated, sulfates, sodium salts	Not Listed
140-01-2	Pentasodium (carboxylatomethyl)iminobis(ethylenenitrilo)tetraacetate	Not Listed

#### New Jersey Right to Know:

497-19-8	Sodium Carbonate	Not Listed
1344-00-9	Silicic acid, aluminum sodium salt	Not Listed
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	Not Listed
1344-09-8	Silicic acid, sodium salt	Not Listed
68081-98-1	Sulfuric acid, mono-C14-18-alkyl esters, sodium salts	Not Listed
15630-89-4	Sodium Percarbonate	Not Listed
91125-43-8	sodium 2-(nonanoyloxy)benzenesulfonate	Not Listed
343978-15-4	Sodium heptadecyl sulfate branched	Not Listed
343978-24-5	Sodium cetyl sulfate branched	Not Listed
68585-34-2	Alcohols, C10-16, ethoxylated, sulfates, sodium salts	Not Listed
140-01-2	Pentasodium (carboxylatomethyl)iminobis(ethylenenitrilo)tetraacetate	Not Listed

#### New York Right to Know:

497-19-8	Sodium Carbonate	Not Listed
1344-00-9	Silicic acid, aluminum sodium salt	Not Listed
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	Not Listed

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1344-09-8	Silicic acid, sodium salt	Not Listed
68081-98-1	Sulfuric acid, mono-C14-18-alkyl esters, sodium salts	Not Listed
15630-89-4	Sodium Percarbonate	Not Listed
91125-43-8	sodium 2-(nonanoyloxy)benzenesulfonate	Not Listed
343978-15-4	Sodium heptadecyl sulfate branched	Not Listed
343978-24-5	Sodium cetyl sulfate branched	Not Listed
68585-34-2	Alcohols, C10-16, ethoxylated, sulfates, sodium salts	Not Listed
140-01-2	Pentasodium (carboxylatomethyl)iminobis(ethylenenitrilo)tetraacetate	Not Listed

### Pennsylvania Right to Know:

497-19-8	Sodium Carbonate	Not Listed
1344-00-9	Silicic acid, aluminum sodium salt	Listed
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	Not Listed
1344-09-8	Silicic acid, sodium salt	Not Listed
68081-98-1	Sulfuric acid, mono-C14-18-alkyl esters, sodium salts	Not Listed
15630-89-4	Sodium Percarbonate	Not Listed
91125-43-8	sodium 2-(nonanoyloxy)benzenesulfonate	Not Listed
343978-15-4	Sodium heptadecyl sulfate branched	Not Listed
343978-24-5	Sodium cetyl sulfate branched	Not Listed
68585-34-2	Alcohols, C10-16, ethoxylated, sulfates, sodium salts	Not Listed
140-01-2	Pentasodium (carboxylatomethyl)iminobis(ethylenenitrilo)tetraacetate	Not Listed

**California Proposition 65:** None of the ingredients are listed.

### SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the

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conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

**NFPA:** 3-0-0

**HMIS:** 3-0-0

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**End of Safety Data Sheet**