



BOUMATIC LLC

Safety Data Sheet Acid Guard S

SECTION 1: Identification

1.1 Product identifier

Product name Acid Guard S

Product number 8983001

1.2 Other means of identification

Concentrated Acid CIP

1.4 Supplier's details

Name Boumatic LLC
Address 2001 S. Stoughton
Madison, WI 53716
USA

Telephone 608-316-3503
email SDS@BouMatic.com

1.5 Emergency phone number(s)

1-800-255-3294 (U.S.)
001-813-248-0585 (International)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Skin corrosion/irritation, Cat. 1A
- Carcinogenicity, Cat. 1B
- Eye damage/irritation, Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H314

Causes severe skin burns and eye damage

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H318 Causes serious eye damage
H350 May cause cancer [route]

Precautionary statement(s)

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash ... thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P280 Wear eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off 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.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P310 Immediately call a POISON CENTER/doctor/...
P321 Specific treatment (see ... on this label).
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container to ...

2.3 Other hazards which do not result in classification

This product is classified and labeled according to the Globally Harmonized Systems (GHS)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Sulfuric acid

Concentration 22%
EC no. 231-639-5
CAS no. 7664-93-9
Index no. 016-020-00-8

- Skin corrosion/irritation, Cat. 1A

H314 Causes severe skin burns and eye damage

2. Phosphoric acid

Concentration 40%
EC no. 231-633-2
CAS no. 7664-38-2
Index no. 015-011-00-6

- Skin corrosion/irritation, Cat. 1B

H314 Causes severe skin burns and eye damage

SECTION 4: First-aid measures

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4.1 Description of necessary first-aid measures

General advice	Immediately remove any clothing soiled by the product.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Get medical attention if symptoms occur.
In case of eye contact	Continue rinsing eyes during transport to hospital. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Drink copious amounts of water and provide fresh air. Consult a physician.
Personal protective equipment for first-aid responders	No special measures required.

4.2 Most important symptoms/effects, acute and delayed

No further information is available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No further information is available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use CO₂, water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Sulfuric acid: No data available.

Phosphoric acid: No data available.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No further relevant information available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

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Reference to other sections

See section 7 for information on safe handling.

See section 8 for information on personal protective equipment.

See section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Sulfuric acid (CAS: 7664-93-9 EC: 231-639-5)

PEL (Inhalation): 1 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 0.1 mg/m³, (ST) 3 mg/m³ (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1 mg/m³; USA (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 0.2 mg/m³, (Thor.); USA (ACGIH)

OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 0.2 mg/m³; USA (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)

TWA (Inhalation): 1 mg/m³; USA (OSHA)

USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

2. Phosphoric acid (CAS: 7664-38-2 EC: 231-633-2)

PEL (Inhalation): 1 mg/m³; USA (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1 mg/m³, (ST) 3 mg/m³; USA (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1 mg/m³, (ST) 3 mg/m³; USA (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 1 mg/m³, (ST) 3 mg/m³; USA (ACGIH)

OSHA Annotated Table Z-1, www.osha.gov

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

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Glove material must be impermeable and resistant to the product/substance/the preparation. Due to missing tests, no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of suitable gloves does not only depend on the material, but also further marks of quality and varies from manufacturer to manufacturer. The exact breakthrough time must be found out from the manufacturer of the gloves.

Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

No special precautions for casual exposure. Ventilation Local Exhaust: None required with normal consumer use. Special: None . Industrial (General): Normal/general dilution ventilation is acceptable. Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.

Thermal hazards

No data available.

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid, red.
Odor	Mild
Odor threshold	Not determined
pH	< 1
Melting point/freezing point	Not determined
Initial boiling point and boiling range	100 C (212 F)
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Product is not self-igniting
Upper/lower flammability limits	Not applicable
Vapor pressure	23 hPa (17 mm Hg)
Vapor density	Not determined
Relative density	1.3570 g/mL
Solubility(ies)	Miscible and not difficult to mix
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Product does not present an explosion hazard
Oxidizing properties	Not determined.

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

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Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

Sulfuric acid: Bases, Halides, Organic materials, Carbides, fulminates, Nitrates, picrates, Cyanides, Chlorates, alkali halides, Zinc salts, permanganates, e.g. potassium permanganate, Hydrogen peroxide, Azides, Perchlorates., Nitromethane, phosphorous, Reacts violently with:., cyclopentadiene, cyclopentanone oxime, nitroaryl amines, hexalithium disilicide, phosphorous(III) oxide, Powdered metals

Phosphoric acid : Strong bases, Powdered metals

10.6 Hazardous decomposition products

Sulfuric acid: Hazardous decomposition products formed under fire conditions. - Sulphur oxides
Other decomposition products - No data available
In the event of fire: see section 5

Phosphoric acid : Hazardous decomposition products formed under fire conditions. - Oxides of phosphorus
Other decomposition products - No data available

SECTION 11: Toxicological information

Information on toxicological effects

Skin corrosion/irritation

Strong caustic effect on skin and mucous membranes.

Serious eye damage/irritation

Strong caustic effect. Risk of serious damage to eyes.

Respiratory or skin sensitization

In case of brief exposure or low pollution, use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Germ cell mutagenicity

No data available

Carcinogenicity

Carcinogenicity, Cat 1A

Reproductive toxicity

No data available

Additional information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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SECTION 12: Ecological information

Persistence and degradability

No further relevant information is available.

Bioaccumulative potential

No further relevant information is available.

Mobility in soil

No further relevant information is available.

Results of PBT and vPvB assessment

Not applicable.

Other adverse effects

Water class 1 (self-assessment): slightly hazardous for water. Do not let undiluted product or large quantities of it to reach groundwater, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or un-neutralized.

SECTION 13: Disposal considerations

Disposal of the product

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Non Household Setting: Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

Disposal of contaminated packaging

Disposal must be made according to official regulations.

Waste treatment

Disposal must be made according to official regulations.

Sewage disposal

Do not let product to reach sewage system.

SECTION 14: Transport information

DOT (US)

UN Number: UN3264

Class: 8 Corrosive substances

Packing Group: II

Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S. (Sulfuric Acid, Phosphoric Acid)

Reportable quantity (RQ):

Marine pollutant: No

Poison inhalation hazard: Poison inhalation hazard

IMDG

UN Number: UN3264

Class: 8 Corrosive substances

Packing Group: II

EMS Number: F-A-S-B

Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S. (Sulfuric Acid, Phosphoric Acid)

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IATA

UN Number: UN3264

Class: 8 Corrosive substances

Packing Group: II

Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S. (Sulfuric Acid, Phosphoric Acid)

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Sulfuric acid

CAS number: 7664-93-9

New Jersey Right To Know Components

Sulfuric acid

CAS number: 7664-93-9

Pennsylvania Right To Know Components

Sulfuric acid

CAS number: 7664-93-9

SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

Sulfuric acid

CAS number: 7664-93-9

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

Sulfuric acid

CAS number: 7664-93-9

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

Sulfuric acid

CAS number: 7664-93-9

California Prop. 65 components

Chemical name: Sulfuric acid

CAS number: 7664-93-9

03/14/2003 - Cancer

Massachusetts Right To Know Components

Phosphoric acid

CAS number: 7664-38-2

New Jersey Right To Know Components

Phosphoric acid

CAS number: 7664-38-2

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Pennsylvania Right To Know Components

Phosphoric acid
CAS number: 7664-38-2

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

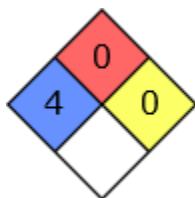
15.2 Chemical Safety Assessment

Keep out of reach of children. Read label before use. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.

HMIS Rating

Acid Guard S	
HEALTH	4
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

Proposition 65:

Chemicals known to cause cancer/reproductive toxicity for male and females/developmental toxicity: None of the ingredients listed.

Carcinogenic categories: EPA-none of the ingredients listed.

TVA (Threshold Limit Value established by ACGIH): 7664-93-9 sulfuric acid.

NIOSH-Ca (National Institute for Occupational Safety and Health): Non of the ingredients listed.

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own

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investigation to determine the suitability of information for their particular purposes. In no event shall BouMatic be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if BouMatic has been advised of the possibility of such damages.

16.2 Preparation information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.