



## BOUMATIC LLC

# Safety Data Sheet Acid 60

---

### SECTION 1: Identification

#### 1.1 Product identifier

Product name	Acid 60
Product number	8983003

#### 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	608-222-3484
email	SDS@BouMatic.com

#### 1.5 Emergency phone number(s)

24 Hour Emergency  
1-800-255-3294  
001-813-248-0585 (International)

---

### SECTION 2: Hazard identification

#### General hazard statement

The product is classified and labeled according to the Globally Harmonized System (GHS).

#### 2.1 Classification of the substance or mixture

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

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

#### 2.2 GHS label elements, including precautionary statements

##### Pictogram

# Safety Data Sheet

## Acid 60



### Hazard statement(s)

H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage

### Precautionary statement(s)

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.  
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 ...

---

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Phosphoric acid

Concentration Not specified  
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

##### 2. Nitric acid (<40%)

Concentration Not specified  
EC no. 231-714-2  
CAS no. 7697-37-2  
Index no. 007-004-00-1

- Oxidizing liquids, Cat. 2  
- Skin corrosion/irritation, Cat. 1A

H272 May intensify fire; oxidizer

# Safety Data Sheet

## Acid 60

H314

Causes severe skin burns and eye damage

---

### SECTION 4: First-aid measures

#### 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.
In case of skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Wash contaminated clothing before reuse.  Acute and delayed symptoms and effects: Causes severe skin burns. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.
In case of eye contact	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 further relevant information available.

#### 4.2 Most important symptoms/effects, acute and delayed

No further relevant information available.

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

No further relevant information available.

---

### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

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

#### 5.2 Specific hazards arising from the chemical

No further relevant information available.

#### 5.3 Special protective actions for fire-fighters

No special measures required.

#### Further information

No further relevant information available.

---

### SECTION 6: Accidental release measures

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

# Safety Data Sheet

## Acid 60

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.

#### Reference to other sections

For disposal see section 13.

---

## 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.  
Corrosive to Aluminum

#### Specific end use(s)

No further relevant information available.

---

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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

PEL (Inhalation): 1 mg/m<sup>3</sup>; USA (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 1 mg/m<sup>3</sup>, (ST) 3 mg/m<sup>3</sup>; USA (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 1 mg/m<sup>3</sup>, (ST) 3 mg/m<sup>3</sup>; USA (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

TLV® (Inhalation): 1 mg/m<sup>3</sup>, (ST) 3 mg/m<sup>3</sup>; USA (ACGIH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

### 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

# Safety Data Sheet

## Acid 60

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The glove material has to be impermeable and resistant to the product/the 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 penetration times, rates of diffusion and degradation.

### 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

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.

### 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	2
Melting point/freezing point	Not determined
Initial boiling point and boiling range	100 C (212 F)
Flash point	Not applicable
Evaporation rate	Not determined
Flammability (solid, gas)	Not applicable
Upper/lower flammability limits	Not determined
Upper/lower explosive limits	Not determined
Vapor pressure	at 20 C (68 F): 23 hPa (17 mm Hg)
Vapor density	Not determined
Relative density	1.2379 g/mL
Solubility(ies)	Fully miscible
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Product is not self-igniting
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Product does not present an explosion hazard
Oxidizing properties	

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

# Safety Data Sheet

## Acid 60

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

No further relevant information available.

### 10.5 Incompatible materials

-----

Phosphoric acid : Strong bases, Powdered metals. No further relevant information available.

### 10.6 Hazardous decomposition products

-----

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

Causes severe skin burns.

#### Serious eye damage/irritation

Risk of serious damage to eyes.

#### Respiratory or skin sensitization

Based on available data, classification data are not met

#### Carcinogenicity

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

NTP (National Toxicity Program): None of the ingredients listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients listed.

#### Reproductive toxicity

No data available

#### Summary of evaluation of the CMR properties

Carcinogenic categories: IARC (International Agency for Research on Cancer), NTP (National Toxicology Program),  
OSHA-Ca (Occupational Safety and Health Administration): None of the ingredients listed.

#### STOT-single exposure

No data available

#### STOT-repeated exposure

No data available

# Safety Data Sheet

## Acid 60

### Aspiration hazard

May be harmful if swallowed and enters airways

### Additional information

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

---

## SECTION 12: Ecological information

### Toxicity

Aquatic toxicity: No further relevant information available.

### Persistence and degradability

No further relevant information available.

### Bioaccumulative potential

No further relevant information available.

### Mobility in soil

No further relevant information available.

### Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### Other adverse effects

No further relevant data available.

---

## 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

Disposal must be made according to official regulations.

### Other disposal recommendations

Disposal must be made according to official regulations.

---

## SECTION 14: Transport information

### DOT (US)

UN Number: UN3264

# Safety Data Sheet

## Acid 60

Class: 8 Corrosive Substances  
Packing Group: II  
Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphoric Acid, Nitric Acid)  
Reportable quantity (RQ):  
Marine pollutant:  
Poison inhalation hazard:

### IMDG

UN Number: UN3264  
Class: 8 Corrosive Substances  
Packing Group: II  
EMS Number:  
Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphoric Acid, Nitric Acid)

### IATA

UN Number: UN3264  
Class: 8 Corrosive Substances  
Packing Group: II  
Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphoric Acid, Nitric Acid)

---

## SECTION 15: Regulatory information

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

#### 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

#### 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.

#### SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

#### 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.



# Safety Data Sheet

## Acid 60

### Massachusetts Right To Know Components

Chemical name: Nitric acid

CAS number: 7697-37-2

### New Jersey Right To Know Components

Common name: Nitric acid

CAS number: 7697-37-2

### Pennsylvania Right To Know Components

Chemical name: Nitric acid

CAS number: 7697-37-2

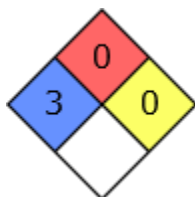
## 15.2 Chemical Safety Assessment

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 60	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

### NFPA Rating



---

## SECTION 16: Other information

### 16.1 Further information/disclaimer

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 investigation to determine the suitability of information for their particular purposes. In no event shall BouoMatic, LLC 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 BouoMatic, LLC 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.