Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier
   Product name: Clear Cut Acid Sanitizer
   Product number: 338
   Brand: Crown Chemical, Inc.

1.2 Other means of identification
   Clear Cut Acid Sanitizer

1.3 Recommended use of the chemical and restrictions on use
   Food plant sanitizing

1.4 Supplier’s details
   Name: Crown Chemical, Inc.
   Address: 4701 W. 136th. St.
             Crestwood, Illinois 60418
             U.S.A.
   Telephone: 708-371-6990
   Fax: 708-371-6992
   email: info@crown-chem.com

1.5 Emergency phone number(s)
   800-535-5053

SECTION 2: Hazard identification

General hazard statement
Causes serious eye damage; Causes severe skin burns and eye damage; Harmful if swallowed.

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)
- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1A
- Acute toxicity, oral, Cat. 4

2.2 GHS label elements, including precautionary statements

Pictogram

1. Corrosion; 2. Exclamation mark

Signal word
Danger

Hazard statement(s)
H318 Causes serious eye damage
H314 Causes severe skin burns and eye damage
H302 Harmful if swallowed
Precautionary statement(s)

P260  Do not breathe dust/fume/gas/mist/vapors/spray.
P264  Wash hands & skin thoroughly after handling.
P270  Do not eat, drink or smoke when using this product.
P280  Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER /doctor if you feel unwell.
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 for treatment advice.
P315  Specific treatment (see details on label).
P330  Rinse mouth.
P363  Wash contaminated clothing before reuse.
P405  Store locked up.
P501  Dispose of contents and container in accordance with all local, state, national and international regulations.

2.3 Other hazards which do not result in classification
None identified

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Corrosive Mixture

Components

1. Sulfuric acid
Concentration  5 - 10 % (By Weight)
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  5 - 10 % (By Weight)
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

Trade secret statement (OSHA 1910.1200(i))
The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).
SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

**General advice**
Do not breathe dust or mists. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

**If inhaled**
Remove person to fresh air immediately and keep comfortable for breathing. Call a Poison Control Center or doctor for treatment advice.

**In case of skin contact**
Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing and shoes before reuse. Call a Poison Control Center or doctor for treatment advice if irritation persists.

**In case of eye contact**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice.

**If swallowed**
Immediately call a Poison Control Center or doctor for treatment advice. Rinse out mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary
Treat exposure symptomatically. In all cases of eye contact, ingestion, or inhalation, contact a doctor or Poison Control Center immediately.

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
None known

5.3 Special protective actions for fire-fighters
Self-contained breathing apparatus.

Further information
Remove all persons from the vicinity. No responsive action should be taken without proper training.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Initiate spill containment procedures immediately using containment or absorption methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Do not allow spilled material to enter sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

Reference to other sections
For disposal see section 13.
SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with eyes, skin or clothing. Avoid contact with combustible materials. Avoid inhalation of dust or vapors. Use in a well ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities
Store in a locked location inaccessible to small children. Keep container closed when not in use. Store in a well ventilated area between 60-100°F (15-38°C).

Specific end use(s)
Consult product label for EPA prescribed Storage and Disposal information.

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

   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

8.2 Appropriate engineering controls
Use with adequate ventilation to maintain exposure limits below listed thresholds.

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

Eye/face protection
Wear chemical splash goggles or safety glasses as needed to prevent contact.

Skin protection
Wear a rubber apron, longsleeved shirt, long pants, socks and chemical resistant footwear. Wear chemical resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, PV or viton).

Body protection
Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid contact with clothing or shoes. Wash contaminated items before reuse. Avoid wearing contact lenses when using this product.
**Respiratory protection**
Wear a NIOSH respirator approved for corrosive dusts or mists as needed to prevent inhalation.

**Thermal hazards**
No data available.

**Environmental exposure controls**
Do not let product enter drains.

### SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/form (physical state, color, etc.)</td>
<td>Colorless Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
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<tr>
<td>Odor threshold</td>
<td>No data available.</td>
</tr>
<tr>
<td>pH</td>
<td>&lt;2.0 (1% solution)</td>
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<tr>
<td>Melting point/freezing point</td>
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<tr>
<td>Initial boiling point and boiling range</td>
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</tr>
<tr>
<td>Flash point</td>
<td>Non-Combustible</td>
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<tr>
<td>Evaporation rate</td>
<td>&lt;1.0</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Upper/lower flammability limits</td>
<td>No data available.</td>
</tr>
<tr>
<td>Upper/lower explosive limits</td>
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</tr>
<tr>
<td>Vapor pressure</td>
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</tr>
<tr>
<td>Vapor density</td>
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</tr>
<tr>
<td>Relative density</td>
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</tr>
<tr>
<td>Solubility(ies)</td>
<td>100% in 120°F Water</td>
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<tr>
<td>Partition coefficient: n-octanol/water</td>
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<tr>
<td>Auto-ignition temperature</td>
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</tr>
<tr>
<td>Decomposition temperature</td>
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<tr>
<td>Viscosity</td>
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<tr>
<td>Explosive properties</td>
<td>No data available.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

### SECTION 10: Stability and reactivity

10.1 **Reactivity**
Product is highly reactive with alkalis. Reactions may produce hazardous conditions, including violent splattering of corrosive materials. Product is reactive with halogens (such as chlorine) and may release chlorine gas if mixed with these materials. NEVER mix this product with other chemicals. Mix this product ONLY with water.

10.2 **Chemical stability**
Product is stable under normal storage and usage conditions.

10.3 **Possibility of hazardous reactions**
No data available.

10.4 **Conditions to avoid**
Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

10.5 **Incompatible materials**
Alkalis, halogens, certain metals (such as aluminum).

10.6 **Hazardous decomposition products**
None are expected under normal storage and usage conditions.
SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation

Skin corrosion/irritation
Irritation, pain, redness, blistering.

Serious eye damage/irritation
Irritation, pain, redness, watering.

Respiratory or skin sensitization
Coughing, choking, respiratory tract irritation, breathing difficulty.

Germ cell mutagenicity
No data available.

Carcinogenicity
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available.

Summary of evaluation of the CMR properties
No known significant effects or critical hazards.

STOT-single exposure
No data available.

STOT-repeated exposure
No data available.

Aspiration hazard
No data available.

Additional information
No known significant effects or critical hazards.

SECTION 12: Ecological information

Toxicity
No specific data available for this mixture. Sulfuric Acid and Phosphoric Acid are known to be toxic to aquatic life.

Persistence and degradability
No data available on product

Bioaccumulative potential
No data available on product
Mobility in soil
No data available.

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects
No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Disposal of the product
Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

Disposal of contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

DOT (US)
UN Number: NA 1760
Class: 8
Packing Group: II
Proper Shipping Name: NA 1760, Compounds, Cleaning Liquid, 8, PG II (Contains Sulfuric Acid and Phosphoric Acid)

Note: Certain package sizes of this product may qualify for exceptions to DOT’s packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents.

SECTION 15: Regulatory information

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

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

Massachusetts Right To Know Components
Sulfuric acid CAS number: 7664-93-9
Phosphoric acid CAS number: 7664-38-2

Pennsylvania Right To Know Components
Sulfuric acid CAS number: 7664-93-9
Phosphoric acid CAS number: 7664-38-2

New Jersey Right To Know Components
Sulfuric acid CAS number: 7664-93-9
Phosphoric acid CAS number: 7664-38-2

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
The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.

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 Crown Chemical, Inc. 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 Crown Chemical, Inc. has been advised of the possibility of such damages.