SECTION 1: Identification

1.1 Product identifier
Trade name  Eagle One Etching Mag Wheel Cleaner

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses  Consumer uses

1.3 Details of the supplier of the safety data sheet
American Covers, Inc. dba Handstands  
102 West 12200 South 
84020 Draper 
United States

Telephone: 1-800-228-8987  Hours: 8AM-5PM MST 
E-mail: Info@handstands.com

1.4 Emergency telephone number
(800) 255-3924 USA, Canada, Puerto Rico, and US Virgin Islands, +1 (813) 248-0585 International

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture
Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

| Skin corrosion/irritation. | Skin Corr. 1B. | H314. |
| Serious eye damage/eye irritation. | Eye Dam. 1. | H318. |
| Carcinogenicity. | Carc. 1A. | H350. |

For full text of abbreviations: see SECTION 16.
Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis.

Additional information
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

2.2 Label elements
- Signal word  Danger
- Pictograms

- Hazard statements
  H290  May be corrosive to metals.
  H314  Causes severe skin burns and eye damage.
  H350  May cause cancer.
- Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P201 Obtain special instructions before use.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/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.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazardous ingredients for labelling
sulphuric acid ... %, ammonium bifluoride, sodium octane-1-sulphonate monohydrate

2.3 Other hazards
Hazards not otherwise classified
Supplemental hazard information.
May be harmful if swallowed (GHS category 5: acutely toxic - oral).

Results of PBT and vPvB assessment
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances
Not relevant (mixture)

3.2 Mixtures
Description of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>Identifier</th>
<th>Wt%</th>
<th>Classification acc. to GHS</th>
</tr>
</thead>
</table>
|                                  |                  |      | Skin Corr. 1B / H314  
|                                  |                  |      | Eye Dam. 1 / H318  |
| sodium octane-1-sulphonate monohydrate | CAS No 5324-84-5 | 1 - < 5 | Skin Irrit. 2 / H315  
|                                  |                  |      | Eye Dam. 1 / H318  |
| ammonium bifluoride               | CAS No 1341-49-7 | 1 - < 5 | Acute Tox. 3 / H301  
|                                  |                  |      | Skin Corr. 1B / H314  
|                                  |                  |      | Eye Dam. 1 / H318  |
| sulphuric acid                    | CAS No 7664-93-9 | 1 - < 5 | Skin Corr. 1A / H314  
|                                  |                  |      | Eye Dam. 1 / H318  
|                                  |                  |      | Carc. 1A / H350  |
| Alcohol Ethoxylate                | CAS No 68439-46-3 | 1 - < 5 | Acute Tox. 4 / H302  
|                                  |                  |      | Eye Dam. 1 / H318  |
SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes
Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation
If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact
Wash with plenty of soap and water.

Following eye contact
Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion
Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed
none
SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media
- Water spray, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media
- Water jet

5.2 Special hazards arising from the substance or mixture

Substance or mixture corrosive to metals.

Hazardous combustion products
- Nitrogen oxides (NOx), Phosphorus oxides (P\textsubscript{O}{y})

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
- Remove persons to safety.

For emergency responders
- Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

- Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill
- Covering of drains

Advices on how to clean up a spill
- Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: Sawdust, Kieselgur (diatomite), Sand, Universal binder

Appropriate containment techniques
- Use of adsorbent materials.

Other information relating to spills and releases
- Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations
- Measures to prevent fire as well as aerosol and dust generation
  Use local and general ventilation. Use only in well-ventilated areas.
- Handling of incompatible substances or mixtures
  Do not mix with alkali.
- Keep away from
  Caustic solutions

Advice on general occupational hygiene
Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks
- Corrosive conditions
  Store in corrosive resistant container with a resistant inner liner.

Control of the effects
Protect against external exposure, such as
- Heat, High temperatures, Frost
- Packaging compatibilities
  Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)
See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

<table>
<thead>
<tr>
<th>Country</th>
<th>Name of substance</th>
<th>CAS No</th>
<th>Notation</th>
<th>Identifier</th>
<th>TWA [ppm]</th>
<th>TWA [mg/m³]</th>
<th>STEL [ppm]</th>
<th>STEL [mg/m³]</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>isopropyl alcohol</td>
<td>67-63-0</td>
<td></td>
<td>PEL</td>
<td>400</td>
<td>980</td>
<td></td>
<td></td>
</tr>
<tr>
<td>US</td>
<td>phosphoric acid ... %</td>
<td>7664-38-2</td>
<td></td>
<td>PEL</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>US</td>
<td>sulphuric acid ... %</td>
<td>7664-93-9</td>
<td></td>
<td>PEL</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notation
- STEL: short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified
- TWA: time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average
8.2 Exposure controls

Appropriate engineering controls
- General ventilation.

Individual protection measures (personal protective equipment)
- Eye/face protection
  - Wear eye/face protection.

Skin protection
- Hand protection
  - Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures
  - Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection
- In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls
- Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: liquid
- Color: colorless
- Odor: Pleasant
- pH (value): 1, acid
- Melting point/freezing point: not determined
- Initial boiling point and boiling range: 90.6 °C at 1,013 hPa
- Flash point: not determined
- Evaporation rate: not determined
- Flammability (solid, gas): not relevant (fluid)
- Explosive limits: not determined
- Vapor pressure: not determined
- Density: 1.1 g/cm³ at 20 °C
- Vapor density: this information is not available
- Relative density: 1.1 at 20 °C (air = 1)
- Solubility(ies): not determined
- Partition coefficient: not determined
- Auto-ignition temperature: not determined
- Viscosity: not determined
**SECTION 10: Stability and reactivity**

10.1 **Reactivity**
Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". Substance or mixture corrosive to metals.

10.2 **Chemical stability**
See below "Conditions to avoid".

10.3 **Possibility of hazardous reactions**
No known hazardous reactions.

10.4 **Conditions to avoid**
There are no specific conditions known which have to be avoided.

10.5 **Incompatible materials**
Oxidizers
Release of flammable materials with:
Light metals (due to the release of hydrogen in an acid/alkaline medium)

10.6 **Hazardous decomposition products**
Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

**SECTION 11: Toxicological information**

11.1 **Information on toxicological effects**
Test data are not available for the complete mixture.

**Classification procedure**
The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)**

**Acute toxicity**
Shall not be classified as acutely toxic.

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Exposure route</th>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium dodecyl sulphate</td>
<td>151-21-3</td>
<td>oral</td>
<td>LD50</td>
<td>1,200 mg/kg</td>
<td>rat</td>
</tr>
<tr>
<td>Sodium dodecyl sulphate</td>
<td>151-21-3</td>
<td>dermal</td>
<td>LD50</td>
<td>&gt;2,000 mg/kg</td>
<td>rat</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**
Causes severe skin burns and eye damage.
Causes serious eye damage.
Causes serious eye damage.

Respiratory or skin sensitization
Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity
Shall not be classified as germ cell mutagenic.

Carcinogenicity
May cause cancer.

### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Classification</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>isopropyl alcohol</td>
<td>67-63-0</td>
<td>3</td>
<td>Volume 15, Sup 7, 71</td>
</tr>
<tr>
<td>sulphuric acid ... %</td>
<td>7664-93-9</td>
<td>1</td>
<td>Volume 54, 100F</td>
</tr>
</tbody>
</table>

**Legend**

1. Carcinogenic to humans
2. Not classifiable as to carcinogenicity in humans

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

### 12.2 Persistence and degradability

Data are not available

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.
12.6 Other adverse effects
   Endocrine disrupting potential
   None of the ingredients are listed.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
   Sewage disposal-relevant information
   Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

   Waste treatment of containers/packages
   Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled.
   Handle contaminated packages in the same way as the substance itself.

   Relevant provisions relating to waste
   List of wastes
   Not assigned

   Remarks
   Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be
dhandled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number
   3265

14.2 UN proper shipping name
   Corrosive liquid, acidic, organic, n.o.s.

14.3 Transport hazard class(es)
   Class
   8 (corrosive substances)

14.4 Packing group
   II (substance presenting medium danger)

14.5 Environmental hazards
   non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user
   There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code
   The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT)

   Index number
   3265

   Proper shipping name
   Corrosive liquid, acidic, organic, n.o.s.

   - Particulars in the shipper's declaration
   UN3265, Corrosive liquid, acidic, organic, n.o.s.,
   (contains: phosphoric acid ... %, ammonium bifluoride), 8, II

   Class
   8

   Packing group
   II
Danger label(s) 8

Special provisions (SP) B2, IB2, T11, TP2, TP27
ERG No 153

International Maritime Dangerous Goods Code (IMDG)
UN number 3265
Proper shipping name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
- Particulars in the shipper’s declaration UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (contains: phosphoric acid ... %, ammonium bifluoride), 8, II

Class 8
Packing group II
Danger label(s) 8

Special provisions (SP) 274
Excepted quantities (EQ) E2
Limited quantities (LQ) 1 L
EmS F-A, S-B
Stowage category B
Segregation group 1 - Acids

International Civil Aviation Organization (ICAO-IATA/DGR)
UN number 3265
Proper shipping name Corrosive liquid, acidic, organic, n.o.s.
- Particulars in the shipper’s declaration UN3265, Corrosive liquid, acidic, organic, n.o.s., (contains: phosphoric acid ... %, ammonium bifluoride), 8, II

Class 8
Packing group II
Danger label(s) 8
Special provisions (SP) A3, 274
Excepted quantities (EQ) E2
Limited quantities (LQ) 0,5 L
SECTION 15: Regulatory information

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

National regulations (United States)

SARA TITLE III (Superfund Amendment and Reauthorization Act)
- List of Extremely Hazardous Substances (40 CFR 355) (EPCRA Section 302 and 304)

<table>
<thead>
<tr>
<th>Name acc. to inventory</th>
<th>CAS No</th>
<th>Notes</th>
<th>Reportable quantity (pounds)</th>
<th>Threshold planning quantity (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>sulphuric acid</td>
<td>7664-93-9</td>
<td></td>
<td>1,000</td>
<td>1000</td>
</tr>
</tbody>
</table>

- Specific Toxic Chemical Listings (40 CFR 372) (EPCRA Section 313)

<table>
<thead>
<tr>
<th>Name acc. to inventory</th>
<th>CAS No</th>
<th>Remarks</th>
<th>Effective date</th>
</tr>
</thead>
<tbody>
<tr>
<td>propargyl alcohol</td>
<td>107-19-7</td>
<td>Only persons who manufacture by the strong acid process are subject, no supplier notification.</td>
<td>1994-12-31</td>
</tr>
<tr>
<td>isopropyl alcohol</td>
<td>67-63-0</td>
<td></td>
<td>1986-12-31</td>
</tr>
<tr>
<td>Sulfuric acid</td>
<td>7664-93-9</td>
<td>acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size</td>
<td>1986-12-31</td>
</tr>
</tbody>
</table>

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)
- Section 102(A) Hazardous Substances (40 CFR 302.4)

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Remarks</th>
<th>Statutory code</th>
<th>Final RQ pounds (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>prop-2-yn-1-ol</td>
<td>107-19-7</td>
<td></td>
<td>4</td>
<td>1000 (454)</td>
</tr>
<tr>
<td>ammonium bifluoride</td>
<td>1341-49-7</td>
<td></td>
<td>1</td>
<td>100 (45,4)</td>
</tr>
<tr>
<td>phosphoric acid ... %</td>
<td>7664-38-2</td>
<td></td>
<td>1</td>
<td>5000 (2270)</td>
</tr>
<tr>
<td>sulphuric acid ... %</td>
<td>7664-93-9</td>
<td></td>
<td>1</td>
<td>1000 (454)</td>
</tr>
</tbody>
</table>

Legend
1: "1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act
4: "4" indicates that the source is section 3001 of the Resource Conservation and Recovery Act (RCRA)
Clean Air Act
none of the ingredients are listed

New Jersey Worker and Community Right to Know Act N.J.S.A. 34:5A-1 et. seq.

Right to Know Hazardous Substance List

<table>
<thead>
<tr>
<th>Name acc. to inventory</th>
<th>CAS No</th>
<th>Remarks</th>
<th>Classifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>propargyl alcohol</td>
<td>107-19-7</td>
<td></td>
<td>F3 R3</td>
</tr>
<tr>
<td>ammonium bifluoride</td>
<td>1341-49-7</td>
<td></td>
<td>CO</td>
</tr>
<tr>
<td>isopropyl alcohol</td>
<td>67-63-0</td>
<td></td>
<td>F3</td>
</tr>
<tr>
<td>phosphoric acid</td>
<td>7664-38-2</td>
<td></td>
<td>CO</td>
</tr>
<tr>
<td>SULFURIC ACID (DIHYDROGEN SULFATE)</td>
<td>7664-93-9</td>
<td></td>
<td>CA CO R2</td>
</tr>
</tbody>
</table>

Legend
CA Carcinogenic
CO Corrosive
F3 Flammable - Third Degree
R2 Reactive - Second Degree
R3 Reactive - Third Degree

California Environmental Protection Agency (Cal/EPA): Proposition 65 Chemicals known to the State to cause cancer or reproductive toxicity
WARNING! This product contains a chemical known to the State of California to cause cancer.
SULFURIC ACID 7664-93-9

Industry or sector specific available guidance(s)

NPCCA-HMIS® III

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic</td>
<td>*</td>
<td>chronic (long-term) health effects may result from repeated overexposure</td>
</tr>
<tr>
<td>Health</td>
<td>3</td>
<td>major injury likely unless prompt action is taken and medical treatment is given</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
<td>material that will not burn under typical fire conditions</td>
</tr>
<tr>
<td>Physical hazard</td>
<td>0</td>
<td>material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive</td>
</tr>
<tr>
<td>Personal protective equipment</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

NFPA® 704
15.2 Chemical Safety Assessment
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Key literature references and sources for data
Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure
Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

<table>
<thead>
<tr>
<th>Code</th>
<th>Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>H225.</td>
<td>Highly flammable liquid and vapor.</td>
</tr>
<tr>
<td>H226.</td>
<td>Flammable liquid and vapor.</td>
</tr>
<tr>
<td>H228.</td>
<td>Flammable solid.</td>
</tr>
<tr>
<td>H290.</td>
<td>May be corrosive to metals.</td>
</tr>
<tr>
<td>H301.</td>
<td>Toxic if swallowed.</td>
</tr>
<tr>
<td>H302.</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H311.</td>
<td>Toxic in contact with skin.</td>
</tr>
<tr>
<td>H314.</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H315.</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H318.</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H319.</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H331.</td>
<td>Toxic if inhaled.</td>
</tr>
<tr>
<td>H332.</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H335.</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>H336.</td>
<td>May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>H350.</td>
<td>May cause cancer.</td>
</tr>
</tbody>
</table>

Disclaimer
This SDS has been compiled and is solely intended for this product. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.