SECTION 1: Identification

1.1 Product identifier
Trade name: Eagle One Zap Bug Remover

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

| Serious eye damage/eye irritation. | Eye Dam. 1. | H318. |

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.

2.2 Label elements
Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200) Labeling:

- Signal word: Danger
- Pictograms

- Hazard statements
H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.

- Precautionary statements
P102: Keep out of reach of children.
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.
- Precautionary statements
  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.

2.3 Other hazards
of no significance

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>
<tbody>
<tr>
<td>sodium dodecyl sulfate</td>
<td>CAS No 151-21-3</td>
<td>&lt;1</td>
<td>Flam. Sol. 2 / H228 Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 STOT SE 3 / H335</td>
</tr>
</tbody>
</table>

For full text of abbreviations: see SECTION 16. For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret.

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)

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
Advises on how to contain a spill
Covering of drains
Advises 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 acids.

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>sodium hydroxide</td>
<td>1310-73-2</td>
<td>PEL</td>
<td></td>
<td>2</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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>green</td>
</tr>
<tr>
<td>Odor</td>
<td>Pleasant</td>
</tr>
<tr>
<td>pH (value)</td>
<td>12.5, base</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>not determined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>100 °C at 1,013 hPa</td>
</tr>
<tr>
<td>Flash point</td>
<td>not determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>not relevant (fluid)</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>not determined</td>
</tr>
<tr>
<td>Density</td>
<td>1.014 g/cm³</td>
</tr>
<tr>
<td>Vapor density</td>
<td>this information is not available</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>not determined</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>not determined</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Viscosity</td>
<td>not determined</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>none</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>none</td>
</tr>
</tbody>
</table>

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.

Serious eye damage/eye irritation
- 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
- Shall not be classified as carcinogenic.

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 handled separately by the local or national waste management facilities.
### SECTION 14: Transport information

| 14.1 UN number | 3267 |
| 14.2 UN proper shipping name | Corrosive liquid, basic, organic, n.o.s. |
| 14.3 Transport hazard class(es) | Class 8 (corrosive substances) |
| 14.4 Packing group | III (substance presenting low 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 | 3267 |
| Proper shipping name | Corrosive liquid, basic, organic, n.o.s. |
| - Particulars in the shipper's declaration | UN3267, Corrosive liquid, basic, organic, n.o.s., 8, III |
| Class | 8 |
| Packing group | III |
| Danger label(s) | 8 |

- Special provisions (SP): IB3, T7, TP1, TP28
- ERG No: 153

**International Maritime Dangerous Goods Code (IMDG)**

| UN number | 3267 |
| Proper shipping name | CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. |
| - Particulars in the shipper's declaration | UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S., 8, III |
| Class | 8 |
| Packing group | III |
| Danger label(s) | 8 |
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)
  none of the ingredients are listed
- Specific Toxic Chemical Listings (40 CFR 372) (EPCRA Section 313)
  none of the ingredients are listed

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>sodium hydroxide</td>
<td>1310-73-2</td>
<td></td>
<td>1</td>
<td>1000 (454)</td>
</tr>
</tbody>
</table>

Legend
"1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act
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.

<table>
<thead>
<tr>
<th>Name acc. to inventory</th>
<th>CAS No</th>
<th>Remarks</th>
<th>Classifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium hydroxide</td>
<td>1310-73-2</td>
<td></td>
<td>CO R1</td>
</tr>
</tbody>
</table>

Legend
CO  Corrosive
R1  Reactive - First Degree

California Environmental Protection Agency (Cal/EPA): Proposition 65 Chemicals known to the State to cause cancer or reproductive toxicity
none of the ingredients are listed

Industry or sector specific available guidance(s)

NPACA-HMIS® III

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic</td>
<td>/</td>
<td>none</td>
</tr>
<tr>
<td>Health</td>
<td>0</td>
<td>no significant risk to health</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

<table>
<thead>
<tr>
<th>Category</th>
<th>Degree of hazard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>1</td>
<td>material that must be preheated before ignition can occur</td>
</tr>
<tr>
<td>Health</td>
<td>0</td>
<td>material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
<td>material that is normally stable, even under fire conditions</td>
</tr>
<tr>
<td>Special hazard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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>H228.</td>
<td>Flammable solid.</td>
</tr>
<tr>
<td>H290.</td>
<td>May be corrosive to metals.</td>
</tr>
<tr>
<td>H302.</td>
<td>Harmful if swallowed.</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>H332.</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H335.</td>
<td>May cause respiratory irritation.</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.