SECTION 1: Identification

1.1 Product identifier

Trade name: Eagle One A2Z All WHEEL & TIRE CLEANER
Alternative number(s): 824331

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

Energizer Manufacturing, Inc.
25225 Detroit Rd.
44145 Westlake
United States

Telephone: 800-383-7323 (USA / CANADA)
Website: Http://data.energizer.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)

<table>
<thead>
<tr>
<th>Substance or mixture property</th>
<th>Classification</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation.</td>
<td>Skin Irrit. 2.</td>
<td>H315.</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation.</td>
<td>Eye Dam. 1.</td>
<td>H318.</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure.</td>
<td>STOT RE 2.</td>
<td>H373.</td>
</tr>
</tbody>
</table>

For full text of abbreviations: see SECTION 16.
 Delayed or immediate effects can be expected after short or long-term exposure.

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

2.2 Label elements

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

- Signal word: Danger
- Pictograms
- Hazard statements
  H290  May be corrosive to metals.
  H315  Causes skin irritation.
  H318  Causes serious eye damage.
  H373  May cause damage to organs through prolonged or repeated exposure.

- Precautionary statements
  P101  If medical advice is needed, have product container or label at hand.
  P102  Keep out of reach of children.
  P234  Keep only in original container.
  P260  Do not breathe dust/fume/gas/mist/vapors/spray.
  P280  Wear protective gloves/eye protection/face protection.
  P305+P351+P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P390  Absorb spillage to prevent material damage.
  P501  Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazardous ingredients for labelling

  Alcohols, C6-12, ethoxylated, EDTA

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>Alcohols, C6-12, ethoxylated</td>
<td>CAS No 68439-45-2</td>
<td>5 – &lt; 10</td>
<td>Acute Tox. 4 / H302 Eye Dam. 1 / H318</td>
</tr>
<tr>
<td>sodium octane-1-sulphonate monohydrate</td>
<td>CAS No 5324-84-5</td>
<td>1 – &lt; 5</td>
<td>Skin Irrit. 2 / H315 Eye Dam. 1 / H318</td>
</tr>
<tr>
<td>sodium 3,4-dimethylbenzenesulfonate</td>
<td>CAS No 1300-72-7</td>
<td>1 – &lt; 5</td>
<td>Eye Irrit. 2 / H319</td>
</tr>
</tbody>
</table>
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
   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. Never add water to this product.
- 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
These information are not available.

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>clear</td>
</tr>
<tr>
<td>Odor</td>
<td>characteristic</td>
</tr>
<tr>
<td>pH (value)</td>
<td>13.5, 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>1.05 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>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>
</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.

### Acute toxicity of components of the mixture

<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 xylenesulphonate</td>
<td>1300-72-7</td>
<td>oral</td>
<td>LD50</td>
<td>&gt;7,000 mg/kg</td>
<td>rat</td>
</tr>
<tr>
<td>Sodium xylenesulphonate</td>
<td>1300-72-7</td>
<td>dermal</td>
<td>LD50</td>
<td>&gt;2,000 mg/kg</td>
<td>rabbit</td>
</tr>
<tr>
<td>EDTA</td>
<td>64-02-8</td>
<td>oral</td>
<td>LD50</td>
<td>1,913 mg/kg</td>
<td>rat</td>
</tr>
<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 skin irritation.

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
May cause damage to organs through prolonged or 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.

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., (contains: Sodium metasilicate pentahydrate), 8, III

Class 8
Packing group III
Danger label(s) 8
Eagle One A2Z All WHEEL & TIRE CLEANER

Safety Data Sheet
acc. to 29 CFR 1910.1200 App D

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., (contains: Sodium metasilicate pentahydrate), 8, III

Class 8
Packing group III
Danger label(s) 8

International Civil Aviation Organization (ICAO-IATA/DGR)
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., (contains: Sodium metasilicate pentahydrate), 8, III

Class 8
Packing group III
Danger label(s) 8
Special provisions (SP) A3, 274
Excepted quantities (EQ) E1
Limited quantities (LQ) 1 L
Stowage category A
Segregation group 18 - Alkalis

United States: en
HS 1117 SDS-03:
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)
  none of the ingredients are listed

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.
none of the ingredients are listed

California Environmental Protection Agency (Cal/EPA): Proposition 65 Chemicals known to the State to cause cancer or reproductive toxicity

<table>
<thead>
<tr>
<th>Name acc. to inventory</th>
<th>CAS No</th>
<th>Type of the toxicity</th>
<th>NSRL or MADL (µg/day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethylene oxide</td>
<td>75-21-8</td>
<td>developmental, male</td>
<td>20</td>
</tr>
</tbody>
</table>

Industry or sector specific available guidance(s)

NPCA-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>

AICS: All components are listed or exempted

Chemical safety assessments for substances in this mixture were not carried out.

Dangerous Goods Regulations (DGR) for the air transport (IATA).

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).

<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>3</td>
<td>material that, under emergency conditions, can cause serious or permanent injury</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
<td>material that is normally stable, even under fire conditions</td>
</tr>
</tbody>
</table>

Additional information
AICS: All components are listed or exempted

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>H319.</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H332.</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H355.</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>H373.</td>
<td>May cause damage to organs through prolonged or repeated exposure.</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.