Section 1 - Identification

Product Identifier: ZOOOOM™ All-Green Speed Stripper
Other means of identification: 1065
Recommended use: Floor stripper.
Recommended restrictions: For commercial and industrial use only.
Manufacturer / Importer / Supplier / Distributor Information:
- Company Name: National Chemical Laboratories of PA, Inc.
- Address: 401 N. 10th Street - Philadelphia, PA 19123
- Telephone: 1 (215) 922-1200
- Supplier Email: info@nclonline.com
- Contact: CHEM-TEL
- Emergency Phone: 1 (800) 255-3924

Section 2 - Hazard(s) Identification

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

<table>
<thead>
<tr>
<th>Category</th>
<th>Target Organ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Hazards</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Health Hazards</td>
<td>Serious eye damage/eye irritation 1</td>
</tr>
<tr>
<td></td>
<td>Skin corrosion/irritation 18</td>
</tr>
<tr>
<td>OSHA defined hazards</td>
<td>Not Classified.</td>
</tr>
</tbody>
</table>

Label Elements:
- Hazard Symbol

Signal Word: Danger
Hazard statement: Causes severe skin burns and eye damage.
Precautionary statement:
- Prevention: Do not breathe mist or vapor. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
- Response: If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
- Storage: Store locked up.
- Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
- Hazard(s) not otherwise classified (HNOC): None known.

Section 3 - Composition/Information on ingredients

Mixture:
- Hazardous Components:
  - Ingredient Name: CAS #  %
  - Benzyl Alcohol: 100-51-6  5 - 10
  - Ethylene Glycol Phenyl Ether: 122-99-6  5 - 10
  - Sodium dimethylbenzenesulfonate: 1300-72-7  5 - 10
  - 2-Amino Ethanol: 141-43-5  10 - 20
  - Alcohols, C12-13 Ethoxylated: 66455-14-9  1 - 5

Composition Comments:

Section 4 - First-aid Measures

Inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if...
Skin contact
Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Ingestion
Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn’t get into the lungs.

Most Important symptoms/effects, acute and delayed
Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Indication of immediate medical attention and special treatment
Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General Information
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 - Fire-fighting measures

Suitable extinguishing media
Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
None known.

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions
Move containers from fire area if you can do it without risk.

General fire hazards
No unusual fire or explosion hazards noted.

Specific Methods
Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures.
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
This product is miscible in water.

SMALL SPILLS Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

LARGE SPILLS: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

Precautions for safe handling
Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 - Exposure control/personal protection

Occupational exposure limits

US. Workplace environmental Exposure Level (WEEL) Guides

<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl Alcohol (CAS 100-51-6)</td>
<td>TWA</td>
<td>44.2 mg/m³</td>
</tr>
</tbody>
</table>

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>PEL</td>
<td>6 mg/m³, 3 ppm</td>
<td></td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
</table>
SAFETY DATA SHEET

2-Amino Ethanol (CAS 141-43-5)  

US. NIOSH: Pocket Guide to Chemical Hazards  

Components  

<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>STEL</td>
<td>15 mg/m³, 6 ppm</td>
</tr>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>REL</td>
<td>8 mg/m³, 3 ppm</td>
</tr>
</tbody>
</table>

Biological limit values  
No biological exposure limits noted for the ingredient(s).  

Exposure guidelines  

Respiratory protection  
In case of insufficient ventilation, wear suitable respiratory equipment. No personal respiratory protective equipment normally required.  

Thermal hazards  
Wear appropriate thermal protective clothing, when necessary.  

Individual protection measures, such as personal protective equipment  

Eye/face protection  
Wear safety glasses with side shields (or goggles) and a face shield.  

Skin protection  
Hand protection  
Wear appropriate chemical resistant gloves.  

Respiratory protection  
In case of insufficient ventilation, wear suitable respiratory equipment. No personal respiratory protective equipment normally required.  

Thermal hazards  
Wear appropriate thermal protective clothing, when necessary.  

General hygiene considerations  
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.  

Section 9 - Physical and chemical properties

Appearance  
Clear, pale yellow liquid.  

Physical state  
Liquid.  

Form  
Thin liquid.  

Color  
Pale yellow.  

Odor  
Mild.  

Odor threshold  
Not available.  

pH (Concentrate)  
11.2  

Melting point/freezing point  
Not available.  

Initial boiling point and boiling range  
212 °F (100 °C)  

Flash point  
> 212.0 °F (> 100.0 °C)  

Evaporation rate  
Not available.  

Flammability (solid, gas)  
Not available.  

Upper/lower flammability or explosive limits  
Flammability limit - lower (%)  
Not available.  

Flammability limit - upper (%)  
Not available.  

Explosive limit - lower (%)  
Not available.  

Explosive limit - upper (%)  
Not available.  

Vapor pressure  
Similar to water.  

Vapor density  
Similar to water.  

Relative density  
1.04 ± 0.01  

Relative density temperature  
75 °F (23.89 °C)  

Solubilities  
Completely soluble.  

Partition Coefficient n-octanol/water  
Not available  

Auto-ignition temperature  
Not Available  

Decomposition temperature  
Not Available  

Viscosity  
< 10 cP  

Viscosity Temperature  
75 °F (23.89 °C)  

Section 10 - Stability and reactivity

Reactivity  
The product is stable and non-reactive under normal conditions of use, storage and transport.  

Chemical stability  
Material is stable under normal conditions.  

Possibility of hazardous reactions  
No dangerous reaction known under conditions of normal use.  

Conditions to Avoid  
Contact with incompatible materials.
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Incompatible materials
Strong acids. Strong oxidizing agents.

Hazardous Decomposition
No hazardous decomposition products are known.

Section 11 - Toxicological information

Information on likely routes of exposure

Ingestion
Causes digestive tract burns.

Inhalation
May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Skin contact
Causes severe skin burns. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

Eye contact
Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics
Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects.

Acute toxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Level</th>
<th>Type</th>
<th>Code</th>
<th>Species</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>Acute</td>
<td>Dermal</td>
<td>LD50</td>
<td>Rabbit</td>
<td>1025 mg/kg</td>
</tr>
<tr>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Rat</td>
<td>1715 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Benzyl Alcohol (CAS 100-51-6)</td>
<td>Acute</td>
<td>Dermal</td>
<td>LD50</td>
<td>Rabbit</td>
<td>2000 mg/kg</td>
</tr>
<tr>
<td>Acute</td>
<td>Inhalation</td>
<td>LC100</td>
<td>Rat</td>
<td>200 - 300 mg/l, 8 Hours</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Inhalation</td>
<td>LC50</td>
<td>Rat</td>
<td>8.8 mg/l, 4 Hours</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Mouse</td>
<td>1150 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Mouse</td>
<td>1230 - 3100 mg</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Other</td>
<td>LD50</td>
<td>Mouse</td>
<td>480 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Other</td>
<td>LD50</td>
<td>Rat</td>
<td>400 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Ethylene Glycol Phenyl Ether (CAS 122-99-6)</td>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Rat</td>
<td>1260 mg/kg</td>
</tr>
<tr>
<td>Alcohols, C12-13 Ethoxylated (CAS 66455-14-9)</td>
<td>Acute</td>
<td>Dermal</td>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Acute</td>
<td>Dermal</td>
<td>LD50</td>
<td>Rabbit</td>
<td>3300 mg/kg, 24</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Inhalation</td>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 100 mg/m³, 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>&gt; 1.6 mg/l, 4 Hrs</td>
<td></td>
</tr>
</tbody>
</table>

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

Serious eye damage/ eye irritation
Causes serious eye damage.

Respiratory sensitization
This product is not expected to cause respiratory sensitization.

Skin sensitization
This product is not expected to cause skin sensitization.

Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity
This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure
Not classified.

Specific target organ toxicity - repeated exposure
Not classified.

Aspiration hazard
Not classified.

Chronic effects
May be harmful if absorbed through skin. Prolonged inhalation may be harmful. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

Further information

Section 12 - Ecological Information

Ecotoxicity
The product contains a substance which is toxic to aquatic organisms.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Amino Ethanol, 141-43-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>EcoName</td>
<td>EcoCode</td>
</tr>
<tr>
<td></td>
<td>ECS0</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EcoCode</td>
<td>EC50</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td></td>
</tr>
<tr>
<td>Ethylene Glycol Phenyl Ether, 122-99-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>EcoName</td>
<td>EcoCode</td>
</tr>
<tr>
<td></td>
<td>LC50</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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Alcohols, C12-13 Ethoxylated, 66455-14-9

**Aqueous**

**EcoName** | **EcoCode** | **EcoSpecies** | **EcoTestResults**
---|---|---|---
Crustacea | EC50 | Water flea (Daphnia magna) | 0.39 - 0.56 mg/l, 48 hours
Fish | LC50 | Flathead minnow (Pimephales promelas) | 0.72 - 2.7 mg/l, 96 hours

**Bioaccumulative potential**

No data available.

**Persistence and degradability**

No data is available on the degradability of this product.

**Aquatic**

**EcoName** | **EcoCode** | **EcoSpecies** | **EcoTestResults**
---|---|---|---
Benzyl Alcohol, 100-51-6 | | | No data available.

**Bioaccumulative potential**

No data available.

**Partition coefficient n-octanol / water log (Kow)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl Alcohol (CAS 100-51-6)</td>
<td>1.1</td>
</tr>
<tr>
<td>2-Amino Ethanol (CAS 141-43-5)</td>
<td>-1.31</td>
</tr>
<tr>
<td>Ethylene Glycol Phenyl Ether (CAS 122-99-6)</td>
<td>1.16</td>
</tr>
</tbody>
</table>

**Mobility in soil**

Not available.

**Mobility in general**

No data available.

**Other adverse effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

---

**Section 13 - Disposal considerations**

**Disposal instructions**

Dispose in accordance with applicable federal, state, and local regulations.

**Local disposal regulations**

Dispose of in accordance with local regulations.

**Hazardous waste code**

Waste codes should be assigned by the user based on the application for which the product was used.

**Waste from residues / unused products**

Dispose in accordance with all applicable regulations.

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

---

**Section 14 - Transport information**

**DOT**

**UN number** | UN2491
---|---
**UN proper shipping name** | Ethanolamine solution
**Transport hazard class(es)** | 8
**Subsidiary class(es)** | -
**Packing group** | III
**Special precautions for users** | Read safety instructions, SDS and emergency procedures before handling.
**Labels required** | IB3, T4, TP1
**Special provisions** | -
**Packaging exemption** | 154
**Packaging non bulk** | 203
**Packaging bulk** | 241

**IATA**

**UN number** | UN2491
---|---
**UN proper shipping name** | Ethanolamine solution
**Transport hazard class(es)** | 8
**Subsidiary class(es)** | -
**Packing group** | III
**Environmental hazards** | -
**Labels required** | Not available.
**ERG Code** | 8L
**Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling.

**IMDG**

**UN number** | UN2491
---|---
**UN proper shipping name** | ETHANOLAMINE SOLUTION
**Transport hazard class(es)** | 8
**Subsidiary class(es)** | -
**Packing group** | III
**Environmental hazards** | -
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Special precautions for use
Read safety instructions, SDS and emergency procedures before handling.

Transportation in bulk
Not established.

Section 15 - Regulatory Information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)
Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)
Components
Ethylene Glycol Phenyl Ether (CAS 122-99-6)
Result
LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard Categories
Immediate Hazard
Yes
Delayed Hazard
No
Fire Hazard
No
Pressure Hazard
No
Reactivity Hazard
No
SARA 302 Extremely hazardous substance
Not listed.
SARA 311/312 Hazardous chemical
Yes
SARA 313 (TRI reporting)
Chemical name
Ethylene Glycol Phenyl Ether
CAS #
122-99-6
% by wt.
5 - 10

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List
Components
Ethylene Glycol Phenyl Ether (CAS 122-99-6)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

Food and Drug Administration (FDA)
Not regulated.

US state regulations
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US. Massachusetts RTK - Substance List
Components
2-Amino Ethanol (CAS 141-43-5)
Benzy1 Alcohol (CAS 100-51-6)

US. New Jersey Worker and Community Right-to-Know Act
Components
2-Amino Ethanol (CAS 141-43-5)
Ethylene Glycol Phenyl Ether (CAS 122-99-6)

US. Pennsylvania RTK - Hazardous Substances
Components
2-Amino Ethanol (CAS 141-43-5)
Benzy1 Alcohol (CAS 100-51-6)
Ethylene Glycol Phenyl Ether (CAS 122-99-6)

US. Rhode Island RTK
Components
2-Amino Ethanol (CAS 141-43-5)
Ethylene Glycol Phenyl Ether (CAS 122-99-6)

US - California Proposition 65 - Carcinogens Reproductive Toxicity (CRT): Listed substance
Not listed.

International Inventories
Country(s) or region
Australia
Canada
Canada
China
Europe
Europe
Japan
Korea
New Zealand
Inventory Name
Australian Inventory of Chemical Substances (AICS)
Domestic Substances List (DSL)
Non-Domestic Substances List (NDSSL)
Inventory of Existing Chemical Substances in China (IECSC)
European Inventory of Existing Commercial Chemical Substances (EINECS)
European List of Notified Chemical Substances (ELINCS)
Inventory of Existing and New Chemical Substances (ENCS)
Existing Chemicals List (ECL)
New Zealand Inventory
On Inventory (yes/no)*
Yes
Yes
No
Yes
No
No
Yes
Yes
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Philippines  Philippine Inventory of Chemicals and Chemical Substances  Yes
United States  Toxic Substances Control Act (TSCA) Inventory  Yes
Puerto Rico  

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 - Other information, including date of preparation or last version

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issue date</td>
<td>10/15/2014</td>
</tr>
<tr>
<td>Revision date</td>
<td>01</td>
</tr>
<tr>
<td>Version #</td>
<td></td>
</tr>
<tr>
<td>Further information</td>
<td></td>
</tr>
<tr>
<td>List of abbreviations</td>
<td></td>
</tr>
<tr>
<td>References</td>
<td></td>
</tr>
<tr>
<td>Disclaimer</td>
<td></td>
</tr>
</tbody>
</table>

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