1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name Zipity Strip Extremely Powerful Floor Stripper

Other Means of Identification

Product Code 313

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Floor finish & sealer stripper.
Uses Advised Against For industrial and commercial use only.

Details of the Supplier of the Safety Data Sheet
Manufacturer Address Arrow Chemical Products, Inc.
2067 Sainte. Anne
Detroit, Michigan 48216

Emergency Telephone Number
Company Phone Number 313-237-0277
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification
Acute toxicity - Oral Category 4
Serious Eye Damage/Eye Irritation Category 2 Subcategory A
Skin Corrosion/Irritation Category 2

Signal Word WARNING

Hazard Statements
Harmful if swallowed
Causes serious skin irritation.
Causes and eye irritation.
May cause respiratory irritation.
May cause drowsiness or dizziness

Appearance Clear liquid
Physical State Liquid
Odor Characteristic
Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray
Wear protective gloves/protective clothing/eye protection/face protection
Use only outdoors or in a well-ventilated area

Precautionary Statements - Response
Immediately call a POISON CENTER or doctor/physician
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 or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Get medical attention if irritation occurs
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth

Precautionary Statements - Storage
Store locked up. Store in a well-ventilated place. Keep container tightly closed and in an upright position.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)
May be harmful in contact with skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monoethanolamine</td>
<td>141-43-5</td>
<td>10-20</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>25-50</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First Aid Measures

General Advice
If exposed or concern: Get IMMEDIATE medical attention.

Inhalation
Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if irritation occurs.

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation occurs.

Ingestion
Do NOT induce vomiting. Give large quantities of water. Get medical attention immediately.

Skin Contact
Wash with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation occurs.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms
Causes eye irritation. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians
Treat symptomatically.
5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water. Suitable material for primary source of fire.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Not determined.

Hazardous Combustion Products
Carbon monoxide. Carbon dioxide (CO2).

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions
Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing and eye/face protection.

Environmental Precautions
Prevent entry into waterways, sewer, basements or confined areas

Methods and Material for Containment and Cleaning Up

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up
Absorb spilled material and sweep up.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling
Handle in accordance with good industrial hygiene and safety practice. Do not handle until all safety precautions have been read and understood. Avoid contact with skin, eyes or clothing. Remove contaminated clothing and shoes. Wash thoroughly with soap and water after handling. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions
Store locked up. Store in a cool, dry, well-ventilated place. Keep container tightly closed and in upright position. Keep out of the reach of children.

Incompatible Materials
Oxidizers and Strong acids.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>TWA: 20 ppm</td>
<td>TWA: 50 ppm</td>
<td>TWA: 5 ppm</td>
</tr>
<tr>
<td>111-76-2</td>
<td>TWA: 50 ppm</td>
<td>TWA: 240 mg/m³</td>
<td>TWA: 24 mg/m³</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection

Face shield and chemical anti-splash safety goggles. Avoid contact with eyes.

Skin and Body Protection

Rubber gloves or other impervious gloves. Avoid contact with skin.

Respiratory Protection

No protective equipment is needed under normal use conditions. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Take off all contaminated clothing and wash it before reuse. Wash face, hands and any exposed skin thoroughly after handling. Avoid contact with eyes, skin and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Property</td>
<td>Values</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>10.0-11.0</td>
<td>Water</td>
<td>1</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>Not determined</td>
<td></td>
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</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not determined</td>
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</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>.993</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Completely soluble</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in Other Solvents</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto ignition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not an Explosive</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>70%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under normal conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to Avoid
Excessive heat and contamination of any kind.

Incompatible Materials
Strong acids.

Hazardous Decomposition Products
Carbon monoxide. Carbon dioxide (CO2). These products may be produced by burning.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation
May cause respiratory irritation. May cause drowsiness or dizziness.

Eye Contact
Causes serious eye irritation.

Skin Contact
Causes skin irritation. Avoid contact with skin.

Ingestion
Harmful if swallowed.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monoethanolamine</td>
<td>1515 mg/kg</td>
<td>2504 mg/kg</td>
<td>&gt;1.3 mg/l</td>
</tr>
<tr>
<td>141-43-5</td>
<td>(Rat)</td>
<td>(Rabbit)</td>
<td>(Rat) 6 h</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>745 mg/kg</td>
<td>1250 mg/kg</td>
<td>550 ppm</td>
</tr>
<tr>
<td>111-76-2</td>
<td>(Rat)</td>
<td>(Rat)</td>
<td>(Rat) 4 h</td>
</tr>
</tbody>
</table>

Information on Physical, Chemical and Toxicological Effects

Symptoms
Causes eye irritation. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity
No components of this product present at levels greater than or equal to 0.1% is identified a probable, possible or confirmed human carcinogen by IARC, ACGIH, OSHA, or NTP.

Numerical Measures of Toxicity
Not determined
12. ECOLOGICAL INFORMATION

**Ecotoxicity**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monoethanolamine 141-43-5</td>
<td>EC50 Desmodesmus subspicatus 15 mg/L 72 h</td>
<td>LC50 Pimephales promelas 227 mg/L 96 h</td>
<td>EC50 Daphnia magna 65: mg/L 48 h</td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol 111-76-2</td>
<td>LC50 Lepomis macrochirus 1490 mg/L 96 h</td>
<td>EC50 Daphnia magna 1940 mg/L 24 h</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Persistence and Degradability**
Not determined

**Bioaccumulation**
Not determined

**Mobility**
Not determined

**Other Adverse Effects**
Not determined

13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

**Disposal of Wastes**
Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**
Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

**Note**
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**
Not Regulated

**IATA**
Not Regulated

**IMDG**
Not Regulated

15. REGULATORY INFORMATION

**International Inventories**

- **TSCA** United States Toxic Substances Control Act Section 8(b) Inventory Yes
- **DSL** Canadian Domestic Substances List Yes
- **NDSL** Non-Domestic Substances List No
- **EINECS** European Inventory of Existing Chemical Substances Yes
- **ELINCS** European List of Notified Chemical Substances No
- **ENCS** Japan Existing and New Chemical Substances Yes
- **IECSC** China Inventory of Existing Chemical Substances Yes
- **KECL** Korean Existing and Evaluated Chemical Substances Yes
ACP–313 – Zipity Strip Extremely Powerful Floor Stripper

PICCS 
Philippines Inventory of Chemicals and Chemical Substances
Yes
New Zealand 
New Zealand Inventory
Yes

US Federal Regulations

CERCLA Reportable Quantity
No components are listed.

SARA 313
No ingredients of this product contain chemical (s) that are subject to reporting levels established by SARA Title III, Section 313:

US State Regulations

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monoethanolamine</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>141-43-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>111-76-2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

Disclaimer
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 guidance 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.

End of Safety Data Sheet