SAFETY DATA SHEET

1. Identification

Product Identifier    Ultra Strip
Other means of identification
Product code          CU-2240
Recommended use       Floor finish stripper.
Recommended restrictions Professional use only.
Manufacturer information
Company name          Chemical Universe, Inc.
Address               1133 Saline St.
                      North Kansas City, MO 64116
Telephone             (816) 471-3602
Fax                   (816) 474-3302
Emergency phone number PERS          (800) 633-8253
                          24 hour Emergency (800) 633-8253

2. Hazard(s) Identification

Physical hazards Not classified.
Health hazards
Acute toxicity Category 5
Serious eye damage Category 1
Skin corrosion Category 1B
Aspiration hazard Category 1
Environmental hazards Not classified.
OSHA defined hazards Not listed.
Label elements

Signal word          Danger.
Hazard statement     May be harmful if swallowed.
                      Causes severe skin burns and eye damage.
                      May be fatal if swallowed and enters airways.

Precautionary statement
Prevention
Do not breathe dusts or mists. Wash hands and exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Response
Call a POISON CENTER/doctor/medical professional if you feel unwell. IF SWALLOWED:
Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor/medical
professional. 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 breathing. Immediately call a POISON
CENTER/doctor/medical professional. Specific treatment (see Section 4 on the Safety Data
Sheet). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,
if present and easy to do. Continue rinsing.

Storage
Store locked up.

Disposal
Dispose of contents/container in accordance with local/regional/national/international
regulations.

Hazard(s) not otherwise classified (HNOC) None.
Supplemental information None.
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2-butoxyethanol</td>
<td>111-76-2</td>
<td>15-25</td>
</tr>
<tr>
<td></td>
<td>Monoethanolamine</td>
<td>141-43-5</td>
<td>5-10</td>
</tr>
<tr>
<td></td>
<td>Benzyl alcohol</td>
<td>100-51-6</td>
<td>5-10</td>
</tr>
<tr>
<td></td>
<td>Other components</td>
<td></td>
<td>90-100</td>
</tr>
</tbody>
</table>

4. First-aid measures

**Inhalation**
Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact**
Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

**Eye contact**
Rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention. Eye wash stations should be located in work area.

**Ingestion**
Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting.

**Most important symptoms/effects, acute and delayed**
Dermatitis. Rash. May cause an allergic skin reaction.

**Indication of immediate medical attention and special treatment needed**
Provide general support measures and treat symptomatically. 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. Wash contaminated clothing before reuse.

5. Fire-fighting measures

**Suitable extinguishing media**
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂)

**Unsuitable extinguishing media**
None known.

**Specific hazards arising from the chemical**
During fire, gases hazardous to health may be formed.

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

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

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

**General fire hazards**
No unusual fire or explosion hazards noted.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Wear appropriate protective equipment and clothing during clean-up. Wear eye/face protection.

**Methods and materials for containment and cleaning up**
Caution – spillages may be slippery.

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions**  Do not release into the environment (see section 12). Avoid discharge into areas not consistent with package labeling.

### 7. Handling and storage

**Precautions for safe handling**  Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**  Store in original tightly closed container. Do not store in extreme conditions.

### 8. Exposure controls/personal protection

**Occupational exposure limits**

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>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol</td>
<td>PEL</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Monoethanolamine</td>
<td>PEL</td>
<td>3 ppm</td>
</tr>
</tbody>
</table>

US ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol</td>
<td>STEL</td>
<td>20 ppm</td>
</tr>
<tr>
<td>Monoethanolamine</td>
<td>STEL</td>
<td>6 ppm</td>
</tr>
</tbody>
</table>

**Biological limit values**

ACGIH Biological Exposure Indices

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Species</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol</td>
<td>200 mg/g</td>
<td>Creatinine</td>
<td>Urine</td>
<td>End of shift.</td>
</tr>
</tbody>
</table>

**Appropriate engineering controls**  Emergency eye wash stations and showers should be readily accessible. Provide natural or mechanical ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**  Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection**  Wear appropriate chemical resistant gloves.

**Other**  Wear long sleeve shirts with pants.

**Respiratory protection**  Respiratory protection not required.

**Thermal hazards**  Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**  When using do not smoke or use chewing tobacco. 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. Contaminated work clothing should not be allowed out of the workplace.

### 9. Physical and chemical properties

**Appearance**

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Color</th>
<th>Odor</th>
<th>Odor threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>Colorless</td>
<td>Butyl</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
### pH
11.5-12.5

### Melting/freezing point
Not available.

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

### Flash point
>212°F (100°C)

### Evaporation rate
Not available.

### Flammability
Not available.

### Flammability Limits
- **Upper**: Not available.
- **Lower**: Not available.

### Vapor pressure
Not available.

### Flammability
Not available.

### Flammability Limits
- **Upper**: Not available.
- **Lower**: Not available.

### Solubility in water
Miscible.

### Partition coefficient (n-octanol/water)
Not available.

### Auto-ignition temperature
Not available.

### Decomposition temperature
Decomposes on heating.

### Viscosity
Not available.

### Stability and reactivity

#### Reactivity
This product is stable and non-reactive under normal conditions of use.

#### Chemical stability
Material is stable under normal conditions.

#### Possibility of hazardous reactions
Hazardous polymerization does not occur.

#### Conditions to avoid
Heat, flames can cause product to decompose.

#### Incompatible materials
Strong acids, strong bases, strong oxidizing agents.

#### Hazardous decomposition products
Aldehydes, ketones, organic acids, carbon dioxide, carbon monoxide.

### Toxicological information

#### Information on likely routes of exposure

- **Ingestion**: Corrosive to mucous membranes, will damage tissue if there is prolonged contact.
- **Inhalation**: Expected to be a low inhalation hazard.
- **Skin contact**: Repeated and/or prolonged skin contact will cause burns.
- **Eye contact**: Causes severe eye damage. May cause severe corneal injury.

#### Symptoms related to the physical, chemical and toxicological characteristics
Dermatitis. Rash. May cause an allergic skin reaction.

#### Acute toxicity
May be harmful if swallowed.

<table>
<thead>
<tr>
<th>Product</th>
<th>Route and Species</th>
<th>LD₅₀</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultra Strip (CAS mixture)</td>
<td><strong>Acut</strong></td>
<td>Oral, rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3,500 mg/kg estimated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dermal, rabbit</td>
</tr>
</tbody>
</table>

*Estimates for product may be based on additional component data not shown

#### Skin corrosion/irritation
Causes severe skin burns.
Serious eye damage/irritation
Causes serious eye damage.

Respiratory sensitization
Not classified.

Skin sensitization
Not classified.

Germ cell mutagenicity
Not classified.

Carcinogenicity
Not considered a carcinogen.

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

Reproductive toxicity
Not classified.

Specific target organ toxicity – single exposure
Not classified.

Specific target organ toxicity – repeated exposure
Not classified.

Aspiration hazard
May be fatal if swallowed and enters airways.

12. Ecological information

Ecotoxicity

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultra Strip (CAS mixture)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>Daphnia</td>
<td>EC50(48hr): 206.6 mg/L estimated</td>
</tr>
<tr>
<td>Fish</td>
<td>Fathead</td>
<td>LC50(96hr): 78 mg/L estimated</td>
</tr>
</tbody>
</table>

*Estimates for product may be based on additional component data not shown

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.

Mobility in soil
Not available.

Other adverse effects
The pH of this product may cause it to be toxic to aquatic and terrestrial organisms.

13. Disposal considerations

Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Do not release to the environment.

Local disposal regulations
Dispose in accordance with all applicable regulations

Waste from residues/unused product
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (See: Disposal instructions).

Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN1760</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Corrosive Liquids, n.o.s. (Contains: Monoethanolamine)</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>8</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Packaging group</td>
<td>III</td>
</tr>
<tr>
<td>Marine pollutant</td>
<td>No</td>
</tr>
</tbody>
</table>
Special precautions for user
Read safety instructions, SDS, and emergency procedures before handling.
Not intended to be transported in bulk.

15. Regulatory information

US federal regulations
SARA 302 Extremely hazardous substance
Not listed.
SARA 304 Emergency release notification
Not listed.
SARA 311/312 Hazard Categories
Immediate Hazard - Yes
Delayed Hazard – No
Fire Hazard – No
Pressure Hazard – No
Reactivity Hazard – No
SARA 313 (TRI reporting)
2-butoxyethanol (Glycol Ether Category)

16. Other information, including date of preparation or last revision

Issue date 1/14/2015
Revision date 1/14/2015
Version # 1
HMIS® ratings Health: 2
             Flammability: 0
             Physical hazard: 0
NFPA ratings Health: 2
             Flammability: 0
             Instability: 0
Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. 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 related 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 by the text.

Revision information First issue.