Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Section 1 CHEMICAL PRODUCT SECTION

Identification: Product Name: STATICIDE® Ultra Floor Finish
Product Number: # 4600-1, 4600-2, 4600-5

Recommend use: Anti-static floor finish to be used for industrial floor applications
Synonym: Floor polish

Manufacturer: ACL Incorporated
840 W. 49th Place
Chicago, IL 60609
PH: (01) 847.981.9212 [U.S.A.]
FAX: (01) 847.981.9278 [U.S.A.]

Emergency telephone: INFOTRAC: (01) 800.535.5053 (day or night)

Section 2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture
Product definition: Mixture

GHS-US classification
Skin corrosion/irritation: Cat 2
Serious eye damage/eye irritation: Cat 2
Reproductive toxicity: Cat 2

Label Elements

Hazard Pictograms:

Signal Word: Warning

Hazard Statement:
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H361 - Suspected of damaging fertility or the unborn child

Precautionary Statements Prevention:
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
P281 - Use personal protective equipment as required
P264 - Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection

Precautionary Statements Response:
If exposed or concerned: Get medical advice/attention
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P362 - Take off contaminated clothing and wash before reuse
P332 + P313 - If skin irritation occurs: Get medical advice/attention

Precautionary Statements – Storage: Store locked up

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

Other Hazards: Toxic to aquatic life with long lasting effects

### Section 3 INFORMATION ON HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>C.A.S. Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium Hydroxide</td>
<td>1336-21-6</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Tri(butoxyethyl) Phosphate</td>
<td>78-51-3</td>
<td>&lt; 3</td>
</tr>
<tr>
<td>Glycol Ether DM</td>
<td>111-77-3</td>
<td>&lt; 4</td>
</tr>
<tr>
<td>Zinc Oxide Complex</td>
<td>1314-13-2</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### Section 4 FIRST AID MEASURES

**PRIMARY ROUTE(S) OF EXPOSURE / ENTRY:** Inhalation, Skin Contact.

**General Advice:** If exposed or concerned: Get medical advice/attention.

**Inhalation:** Move to fresh air and contact a physician if symptoms persist.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Skin Contact:** Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

**Ingestion:** Clean mouth with water and drink afterwards plenty of water.

### Section 5 FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Carbon dioxide (CO2). Dry chemical.

**Unsuitable Extinguishing Media:** Not determined.

**Specific Hazards Arising from the Chemical:** Not determined.

**Hazardous Combustion Products:** Toxic gases may be released.

**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.

### Section 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions:** Use personal protective equipment as required
Methods and material for containment and cleaning up

Methods for Containment: Prevent further leakage or spillage if safe to do so
Methods for Clean-Up: Halt spill at source and contain or dike spill with inert absorbent material. Transfer liquid to containers for recovery or disposal. Shovel absorbent into drums for disposal in accordance with local, state and federal regulations.

Section 7 HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Store locked up
Incompatible Materials: None known based on information supplied.

Section 8 EXPOSURE CONTROL / 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>Zinc Oxide 1314-13-2</td>
<td>STEL: 10 mg/m³ respirable fraction TWA: 2 mg/m³ respirable fraction</td>
<td>TWA: 5 mg/m³ fume TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction (vacated) STEL: 10 mg/m³ fume</td>
<td>IDLH: 500 mg/m³ Ceiling: 15 mg/m³ dust TWA: 5 mg/m³ dust and fume STEL: 10 mg/m³ fume</td>
</tr>
</tbody>
</table>

Appropriate engineering controls


Individual protection measures, such as personal protective equipment

Respirator: None required in well ventilated areas. An approved organic vapor full face respirator is advised for poorly ventilated areas.

Skin and Body Protection: Wear rubber gloves. Wear protective work clothing

Eye Protection: Wear approved safety goggles with side shields.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

| Appearance | Milky White Liquid |
| Odor | Mild odor |
| pH | 8 - 9 |
| Melting point/freezing point | 0°C / 32°F |
| Initial boiling point and boiling range | 100°C / 212°F |
| Flash point and method | Non flammable |
| Evaporation rate (H₂O=1) | 1 |
| Flammability (solid, gas, liquid) | Not flammable / stable |
| Upper/lower flammability or explosive limits | NE |
| Vapor pressure | NE |
| Vapor density (air=1) | < 1 |
### Section 10  STABILITY AND REACTIVITY

**Reactivity:** Stable under recommended storage conditions  
**Chemical Reactivity:** Stable under recommended storage conditions  
**Possibility of Hazardous Reactions:** None under normal procession  
**Hazardous Polymerization:** Under normal conditions of storage and use, will not occur  
**Conditions to Avoid:** Keep away from heat, flames, and sparks.  
**Incompatible Materials:** None known based on information supplied  
**Hazardous Decomposition:** Toxic gases may be released.

### Section 11  TOXICOLOGY INFORMATION

**Information on likely routes of exposure**  
**Product Information**  
**Eye Contact:** Causes serious eye irritation  
**Skin Contact:** Causes skin irritation  
**Inhalation:** Do not inhale  
**Ingestion:** Do not ingest

<table>
<thead>
<tr>
<th>Component Information</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monomethyl ether (111-77-3)</td>
<td>4 mL/kg (Rat)</td>
<td>2500 µL/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Tributoxyethyl phosphate (78-51-3)</td>
<td>3000 mg/kg (Rat)</td>
<td>&gt; 5000 mg/kg (Rabbit)</td>
<td>&gt; 6.4 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Zinc Oxide (1314-13-2)</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Ammonium hydroxide (1336-21-6)</td>
<td>350 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Information on physical, chemical and toxicological effects**  
**Symptoms:** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity:** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive toxicity:** Suspected of damaging fertility or the unborn child

**Numerical measures of toxicity:**  
Not determined
**Section 12**  ECOLOGICAL INFORMATION

**Ecotoxicity**
Toxic to aquatic life with long lasting effects.

**Component Information**

<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>Diethylene glycol monomethyl ether</td>
<td>500: 72 h Desmodesmus subspicatus mg/L EC50</td>
<td>7500: 96 h Lepomis macrochirus mg/L LC50</td>
<td>EC50 &gt; 10000 mg/L 17 h</td>
<td>500: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>111-77-3</td>
<td></td>
<td>static 7500: 96 h Lepomis macrochirus mg/L LC50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>tributoxyethyl phosphate</td>
<td>10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78-51-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<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>Ammonium hydroxide 1336-21-6</td>
<td>8.2: 96 h Pimephales promelas mg/L LC50</td>
<td></td>
<td></td>
<td>0.66: 48 h water flea mg/L EC50 0.66: 48 h Daphnia pulex mg/L EC50</td>
</tr>
</tbody>
</table>

**Persistence/Degradability**
Not determined

**Bioaccumulation**
Not determined

**Mobility**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monomethyl ether</td>
<td>-0.682</td>
</tr>
<tr>
<td>111-77-3</td>
<td></td>
</tr>
<tr>
<td>tributoxyethyl phosphate</td>
<td>4.78</td>
</tr>
<tr>
<td>78-51-3</td>
<td></td>
</tr>
</tbody>
</table>

**Other Adverse Effects**
Not determined

**Section 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.

**California Hazardous Waste Status**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Oxide</td>
<td>Toxic</td>
</tr>
<tr>
<td>1314-13-2</td>
<td></td>
</tr>
<tr>
<td>Ammonium hydroxide 1336-21-6</td>
<td>Toxic</td>
</tr>
<tr>
<td></td>
<td>Corrosive</td>
</tr>
</tbody>
</table>
Section 14  TRANSPORTATION INFORMATION

U.S. DOT Information: Basic Description: NON HAZARDOUS MATERIAL
Proper Shipping Name: NA
IATA: Proper Shipping Name: NON HAZARDOUS MATERIAL

Section 15  REGULATORY INFORMATION

CERCLA/Superfund, 40 CFR 117.302:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium hydroxide 1336-21-6</td>
<td>1000 lb</td>
<td></td>
<td>RQ 1000 lb final RQ</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RQ 454 kg final RQ</td>
</tr>
</tbody>
</table>

SARA Section 313:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monomethyl ether - 111-77-3</td>
<td>111-77-3</td>
<td>&lt;5</td>
<td>1.0</td>
</tr>
<tr>
<td>Zinc Oxide - 1314-13-2</td>
<td>1314-13-2</td>
<td>&lt;1</td>
<td>1.0</td>
</tr>
<tr>
<td>Ammonium hydroxide - T336-21-6</td>
<td>1336-21-6</td>
<td>&lt;1</td>
<td>1.0</td>
</tr>
</tbody>
</table>

CWA (Clean Water Act)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Oxide</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ammonium hydroxide</td>
<td>1000 lb</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Toxic Substance Control Act (TSCA): All substances are TSCA listed.

STATE REGULATIONS:
The following chemicals are specifically listed by individual state; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monomethyl ether - 111-77-3</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Zinc Oxide - 1314-13-2</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Ammonium hydroxide - T336-21-6</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

California Proposition 65: --- None of the chemicals are on the Proposition 65 list---

INTERNATIONAL REGULATIONS:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>SL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monomethyl ether</td>
<td>Present</td>
<td>X</td>
<td></td>
<td>Present</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>tributoxyethyl phosphate</td>
<td>Present</td>
<td>X</td>
<td></td>
<td>Present</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>Present</td>
<td>X</td>
<td></td>
<td>Present</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Ammonium hydroxide</td>
<td>Present</td>
<td>X</td>
<td></td>
<td>Present</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
Canada WHMIS: This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

## Sections 16. OTHER INFORMATION

**NFPA Health:** Can cause significant irritation  
**NFPA Fire:** Will not burn  
**NFPA Instability:** Stable  
**NFPA Reactivity:** None  

**HMIS Health:** Slight Hazard. Irritation or minor reversible injury possible.  
**HMIS Flammability:** Minimal Hazard. Will not burn unless heated.  
**HMIS Reactivity:** Minimal Hazard. Stable  
**HMIS Personal Protection:** B. Safety glasses and protective gloves should be worn when handling this material.

**LABEL INFORMATION:** For Shipping Label information refer to section 14  
Product label warnings in section 2

**REVISION DATES, SECTIONS, REVISED BY:**
- 15-MAY-98  Original release date, km  
- 02-APR-01  Reviewed, km  
- 08-APR-04  Revised sections 2, 5, 6,7,9,10,13 &15 mkb  
- 20-Oct-06  Revised Section 2, 11 & 15, mkb  
- 10-APR-07  Revised Section 2, 15, 16 mkb  
- 01-JAN-09  Updated to REACH format, mkb  
- 14- May-12  Revised sections 3 and 15, mkb  
- 09-Jul-14  Updated risk phrases, mkb  
- 05-Mar-15  Completed to US GHS, mkb

**ABBREVIATIONS USED IN THIS DOCUMENT:**
- NE – Not Established, NA – Not Applicable, NIF – No Information Found

**ABRIDGED LIST OF REFERENCES:**
- Code of Federal Regulations (CFR)  
- The Sigma-Aldrich Library of Regulatory and Safety Data  
- Chemical Guide and OSHA Hazardous Communication Standard  
- US Department of Labor; Occupational Safety & Health Administration (www.osha.gov)  
- The Environmental Protection Agency (www.epa.gov)  
- The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)  
- UN ST/SG/AC.10/30/ GHS

To the best of our knowledge, the information contained herein is accurate.  
**However, neither ACL STATICIDE nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.**

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.