# Material Safety Data Sheet

**FIRST IMPRESSION**

## 1. Product and company identification

<table>
<thead>
<tr>
<th>Trade name of product</th>
<th>FIRST IMPRESSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product use</td>
<td>Metal Polish</td>
</tr>
</tbody>
</table>

**Product dilution information**: Not applicable

**Supplier's information**: Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326

**Code**: 912477  
**Date of issue**: 27-July-2011

**EMERGENCY HEALTH INFORMATION**:  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

## 2. Hazards identification

**Physical state**: Liquid.  
**Emergency overview**: CAUTION!

**COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.**

Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

### Potential acute health effects

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>Moderately irritating to eyes.</td>
<td>Product is sold ready to use.</td>
</tr>
<tr>
<td>Skin</td>
<td>Moderately irritating to the skin.</td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>Moderately irritating to the respiratory system.</td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known significant effects or critical hazards.</td>
<td></td>
</tr>
</tbody>
</table>

See toxicological information (section 11)

## 3. Composition/information on ingredients

### Product AS SOLD

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>% by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMMONIUM CITRATE</td>
<td>3012-65-5</td>
<td>2</td>
</tr>
<tr>
<td>silica, crystalline - quartz (NO Respirable dust)</td>
<td>14808-60-7</td>
<td>5 - 20</td>
</tr>
</tbody>
</table>

### Product AT USE DILUTION

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>% by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product is sold ready to use.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1/5
# 3. Composition/information on ingredients

## 4. First aid measures

<table>
<thead>
<tr>
<th>Category</th>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.</td>
<td>Product is sold ready to use.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.</td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>If inhaled, remove to fresh air.</td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td>Get medical attention if symptoms occur.</td>
<td></td>
</tr>
</tbody>
</table>

## 5. Fire-fighting measures

<table>
<thead>
<tr>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous thermal decomposition products</td>
<td>Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, metal oxide/oxides</td>
</tr>
<tr>
<td>Fire-fighting media and instructions</td>
<td>Use dry chemical, CO₂, water spray (fog) or foam.</td>
</tr>
<tr>
<td>Special protective equipment for fire-fighters</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
</tbody>
</table>

## 6. Accidental release measures

<table>
<thead>
<tr>
<th>Category</th>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal precautions</td>
<td>Use personal protective equipment as required.</td>
<td>Product is sold ready to use.</td>
</tr>
<tr>
<td>Environmental precautions</td>
<td>Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.</td>
<td></td>
</tr>
<tr>
<td>Methods for cleaning up</td>
<td>If emergency personnel are not present, contain and collect small spillages with non-combustible absorbent material, e.g. sand, earth or other suitable material and place in a suitable container for disposal. Use a water rinse for final clean-up.</td>
<td></td>
</tr>
</tbody>
</table>

## 7. Handling and storage

<table>
<thead>
<tr>
<th>Category</th>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handling</td>
<td>Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.</td>
<td>Product is sold ready to use.</td>
</tr>
</tbody>
</table>
7. Handling and storage

Storage: Keep out of reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Store in a closed container. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Do not store above the following temperature: 50°C

8. Exposure controls/personal protection

Engineering measures: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Personal protection

Eyes: Eye protection should be used when splashing may occur.

Hands: For prolonged or repeated handling, use the following type of gloves: Impervious gloves.

Skin: No protective equipment is needed under normal use conditions.

Respiratory: Avoid breathing vapors, spray or mists.

Product AS SOLD

Product AT USE DILUTION

Product is sold ready to use.

9. Physical and chemical properties

Physical state: Liquid.

Flash point: 74 °C (Closed cup)

Product does not support combustion.

Color: opaque

Odor: citrus

pH: 9.9 to 10.4 [Conc. (% w/w): 100%]

Boiling/condensation point: 100°C (212°F)

Relative density: 1.14 to 1.18
10. Stability and reactivity

Product AS SOLD
Stability: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.

Reactivity: Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological information

Potential acute health effects
Product AS SOLD
Eyes: Moderately irritating to eyes. Product is sold ready to use.
Skin: Moderately irritating to the skin.
Inhalation: Moderately irritating to the respiratory system.
Ingestion: No known significant effects or critical hazards.

Product AT USE DILUTION

Potential chronic health effects
Carcinogenic effects:
Ingredient name: silica, crystalline - quartz
IARC: 1
NTP: Proven
OSHA: -

Other adverse effects
Target organs: Contains material which may cause damage to the following organs: lungs, upper respiratory tract.

12. Ecological information

Ecotoxicity: Not reported

13. Disposal considerations

Product AS SOLD
Waste disposal: Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Product AT USE DILUTION

Product is sold ready to use.

14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Product AS SOLD
DOT Classification: Not regulated.

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.
15. Regulatory information

Product AS SOLD
HCS Classification
- Combustible liquid
- Irritating material
- Target organ effects

Product AT USE DILUTION
Product is sold ready to use.

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory: All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No listed substance
SARA 302/304 emergency planning and notification: No listed substance

SARA 313
Form R - Reporting requirements
- ammonium oleate (CAS number: 544-60-5, Concentration: 5.09)
- ammonium citrate, dibasic (CAS number: 3012-65-5, Concentration: 2.14)

California Prop. 65: No products were found.

16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.):

National Fire Protection Association (U.S.A.):

Flammability
- 1

Health
- 1

Instability/Reactivity
- 0

Special

Date of issue: 27-July-2011
Responsible name: Regulatory Affairs
1-800-352-5326

 Indicates information that has changed from previously issued version.

Notice to reader
The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.