

# Material Safety Data Sheet

SILVER POWER



## 1. Product and company identification

Trade name of product : SILVER POWER

Product use : Presoak

Product dilution information : Up to 6oz/10gal in water

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

Code : 961870

Date of issue : 12-November-2010

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

## 2. Hazards identification

**Product AS SOLD**  
**Physical state** : Cast Solid  
**Emergency overview** : CAUTION !  
  
MAY CAUSE EYE AND SKIN IRRITATION.  
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

### Product AT USE DILUTION

Liquid.  
CAUTION !

No specific hazard.  
No specific hazard.

### Potential acute health effects

**Product AS SOLD**  
**Eyes** : Moderately irritating to eyes.  
**Skin** : Moderately irritating to the skin.  
**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Product AT USE DILUTION

No known significant effects or critical hazards.  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

See toxicological information (section 11)

## 3. Composition/information on ingredients

### Product AS SOLD

| <u>Name</u>                   | <u>CAS number</u> | <u>% by weight</u> |
|-------------------------------|-------------------|--------------------|
| SODIUM CARBONATE              | 497-19-8          | >50                |
| alcohols, c12-16, ethoxylated | 68551-12-2        | 1 - 5              |
| TRISODIUM HEDTA               | 139-89-9          | 1 - 5              |

### Product AT USE DILUTION

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

## 4. First aid measures

|                     | Product AS SOLD   | Product AT USE DILUTION   |
|---------------------|---|---|
| <b>Eye contact</b>  | : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.   | No known effect after eye contact. Rinse with water for a few minutes.  |
| <b>Skin contact</b> | : 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. | No known effect after skin contact. Rinse with water for a few minutes. |
| <b>Inhalation</b>   | : If inhaled, remove to fresh air.  | No special measures required. Treat symptomatically.                    |
| <b>Ingestion</b>    | : Get medical attention if symptoms occur.  | Get medical attention if symptoms occur.                                |

## 5. Fire-fighting measures

### Product AS SOLD

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
 carbon dioxide  
 carbon monoxide  
 nitrogen oxides  
 metal oxide/oxides

**Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff.  
 No specific fire or explosion hazard.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

|                                  | Product AS SOLD  | Product AT USE DILUTION  |
|----------------------------------|--|--|
| <b>Personal precautions</b>      | : Use personal protective equipment as required.   | Use personal protective equipment as required.   |
| <b>Environmental precautions</b> | : Avoid contact of large amounts of spilled material and runoff with soil and surface waterways. | Avoid contact of large amounts of spilled material and runoff with soil and surface waterways. |
| <b>Methods for cleaning up</b>   | : Use a water rinse for final clean-up.  | Use a water rinse for final clean-up.  |

## 7. Handling and storage

|                 | Product AS SOLD   | Product AT USE DILUTION         |
|-----------------|---|---------------------------------|
| <b>Handling</b> | : Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling.                 | Wash thoroughly after handling. |
| <b>Storage</b>  | : Keep out of reach of children. Store in a closed container.<br>Do not store above the following temperature: 40°C | Keep out of reach of children.  |

## 8. Exposure controls/personal protection

|                             | Product AS SOLD  | Product AT USE DILUTION  |
|-----------------------------|--|--|
| <b>Engineering measures</b> | : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.           | Good general ventilation should be sufficient to control worker exposure to airborne contaminants. |
| <b>Personal protection</b>  |  |  |
| <b>Eyes</b>                 | : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions. | No protective equipment is needed under normal use conditions.                                     |
| <b>Hands</b>                | : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions. | No protective equipment is needed under normal use conditions.                                     |
| <b>Skin</b>                 | : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions. | No protective equipment is needed under normal use conditions.                                     |
| <b>Respiratory</b>          | : A respirator is not needed under normal and intended conditions of product use.                              | No special protection is required.   |

Consult local authorities for acceptable exposure limits.

## 9. Physical and chemical properties

|                                  | Product AS SOLD  | Product AT USE DILUTION |
|----------------------------------|--|-------------------------|
| <b>Physical state</b>            | : Cast Solid   | Liquid.                 |
| <b>Flash point</b>               | : > 100°C<br>Product does not support combustion.                          | > 100°C                 |
| <b>Color</b>                     | : Blue. [Dark]   | Blue. [Light]           |
| <b>Odor</b>                      | : citrus   | citrus                  |
| <b>pH</b>                        | : 10.5 [Conc. (% w/w): 1%]   | 10.5 to 11.5            |
| <b>Dispersibility properties</b> | : Easily dispersible in the following materials: cold water and hot water. |                         |
| <b>Solubility</b>                | : Easily soluble in the following materials: cold water and hot water.     |                         |

## 10. Stability and reactivity

### Product AS SOLD

|   |   |
|---|---|
| <b>Stability</b>                        | : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur. |
| <b>Reactivity</b>                       | : Slightly reactive or incompatible with the following materials: acids.                                      |
| <b>Hazardous decomposition products</b> | : Under normal conditions of storage and use, hazardous decomposition products should not be produced.        |
| <b>Hazardous polymerization</b>         | : Under normal conditions of storage and use, hazardous polymerization will not occur.                        |

## 11. Toxicological information

### Potential acute health effects

|                   | Product AS SOLD                                     | Product AT USE DILUTION                           |
|-------------------|---|---|
| <b>Eyes</b>       | : Moderately irritating to eyes.                    | No known significant effects or critical hazards. |
| <b>Skin</b>       | : Moderately irritating to the skin.                | No known significant effects or critical hazards. |
| <b>Inhalation</b> | : No known significant effects or critical hazards. | No known significant effects or critical hazards. |
| <b>Ingestion</b>  | : No known significant effects or critical hazards. | No known significant effects or critical hazards. |

## 11. Toxicological information

## 12. Ecological information

Ecotoxicity : Not reported

## 13. Disposal considerations

**Product AS SOLD**  
**Waste disposal** : Diluted product can be flushed to sanitary sewer.  
 Discard empty container in trash.

**Product AT USE DILUTION**  
 Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

## 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.

**Product AT USE DILUTION**  
 Not intended for transport.

## 15. Regulatory information

**Product AS SOLD**  
**HCS Classification** : Irritating material

**Product AT USE DILUTION**  
 Not regulated.

**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** : Product name : CAS number : Concentration

**Form R - Reporting requirements** : No listed substance

**California Prop. 65** : No listed substance

## 16. Other information

**Product AS SOLD**  
**Hazardous Material Information System (U.S.A.)** :

|                  |   |
|------------------|---|
| Health           | 1 |
| Flammability     | 0 |
| Physical hazards | 0 |
|                  |   |

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

**Product AT USE DILUTION**

|                  |   |
|------------------|---|
| Health           | 0 |
| Flammability     | 0 |
| Physical hazards | 0 |
|                  |   |

## 16. Other information



Date of issue : 12-November-2010

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.**