

# Material Safety Data Sheet



## FILTRAPURE ACID CLEANER

### Section 1. Chemical product and company identification

Trade name : FILTRAPURE ACID CLEANER  
Product use : Cleaning product  
Supplier : Ecolab Inc. Water Care Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-75-WATER  
Code : 905196  
Date of issue : 15-December-2005

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

### Section 2. Composition, information on ingredients

Name	CAS number	% by weight
sulphamidic acid	5329-14-6	20 - 50
citric acid	77-92-9	5 - 20

### Section 3. Hazards identification

Physical state : Solid. (Powder.)  
Emergency overview : WARNING!

CAUSES SEVERE EYE AND SKIN IRRITATION. Untreated contact may cause severe irritation or chemical burns.

CAUSES RESPIRATORY TRACT IRRITATION.  
HARMFUL IF SWALLOWED.

Do not get in eyes or on skin or clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

#### Potential acute health effects

**Eyes** : Severely irritating to eyes. Untreated contact may cause chemical burns.  
**Skin** : Severely irritating to the skin. Untreated contact may cause severe irritation or chemical burns.  
**Inhalation** : Irritating to respiratory system.  
**Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach.  
**See toxicological information (section 11)**

### Section 4. First aid measures

**Eye contact** : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.  
**Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.  
**Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**Ingestion** : Rinse mouth; then drink one or two large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5. Fire fighting measures

- Flash point** : > 100°C
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.
- Dike area of fire to prevent runoff.  
No specific 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.

## Section 6. Accidental release measures

- Personal precautions** : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Prevent entry into sewers, water courses, basements or confined areas.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal.

## Section 7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Do not add water directly to product. Slowly stir product into water. Keep container closed. Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling.
- Storage** : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.  
Do not store above 45°C

## Section 8. Exposure controls, personal protection

- Engineering controls** : Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Provide eyewash and safety shower in area if contact or splash hazard exists.
- Personal protection**
- Eyes** : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
- Hands** : Use chemical-resistant, impervious gloves.
- Skin** : Use suitable protective equipment.
- Respiratory** : Avoid breathing dust.

Consult local authorities for acceptable exposure limits.

## Section 9. Physical and chemical properties

- Physical state** : Solid. (Powder.)
- Color** : White.
- Odor** : Slight.
- pH** : 1.9 (1%)
- Solubility** : Partially soluble in cold water, hot water.

## Section 10. Stability and reactivity

- Stability** : The product is stable.
- Reactivity** : Highly reactive with alkalis.  
Reactive with metals.

## Section 11. Toxicological information

### Potential acute health effects

- Eyes** : Severely irritating to eyes. Untreated contact may cause chemical burns.
- Skin** : Severely irritating to the skin. Untreated contact may cause severe irritation or chemical burns.
- Inhalation** : Irritating to respiratory system.
- Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach.
- Chronic effects on humans** : Contains material which causes damage to the following organs: skin.

## Section 12. Ecological information

- Products of degradation** : These products are carbon oxides (CO, CO<sub>2</sub>) and water, nitrogen oxides (NO, NO<sub>2</sub> ...), sulfur oxides (SO<sub>2</sub>, SO<sub>3</sub>...). Some metallic oxides.

## Section 13. Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

## Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	UN2967	Sulfamic acid mixture	8	III	<p><b>Limited quantity</b> Yes.</p> <p><b>Special provisions</b> IB8, IP3</p>

### APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

## Section 15. Regulatory information

- HCS Classification** : Corrosive material  
Target organ effects
- U.S. Federal regulations** : SARA 302/304/311/312 extremely hazardous substances: None.  
SARA 302/304 emergency planning and notification: None.
- TSCA 8(b) inventory** : All materials are listed or exempt.
- California Prop. 65** : No products were found.

## Section 16. Other information

Hazardous Material Information System (U.S.A.)	Health	2
	Fire hazard	0
	Reactivity	0
	Personal protection	B

- Date of issue** : 15-December-2005.
- Responsible name** : Regulatory Affairs
- Date of previous issue** : 15-December-2005.

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.**