

# Material Safety Data Sheet



A-215 WATER TREATMENT MICROBIOCIDE

## Section 1. Chemical product and company identification

Trade name : A-215 WATER TREATMENT MICROBIOCIDE  
Product use : Biocide  
Supplier : Ecolab Inc. Water Care Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-75-WATER  
Code : 917070-17  
Date of issue : 29-July-2005  
EPA Registration No. : 464-693-17866

**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

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
glutaral	111-30-8	5 - 20

## Section 3. Hazards identification

Physical state : Liquid. (Liquid.)  
Emergency overview : DANGER!

CAUSES EYE BURNS.  
HARMFUL IF INHALED.  
CAUSES SKIN IRRITATION.  
MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTION.  
HARMFUL IF SWALLOWED. MAY BE FATAL IF SWALLOWED. Aspiration hazard if swallowed. Can enter lungs and cause damage. Can cause central nervous system depression.  
Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

### Potential acute health effects

Eyes : Corrosive to eyes.  
Skin : Irritating to skin. May cause sensitization by skin contact.  
Inhalation : Harmful by inhalation. May cause sensitization by inhalation. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.  
Ingestion : Harmful if swallowed. May cause burns to mouth, throat and stomach. Aspiration hazard if swallowed. Can enter lungs and cause damage.

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. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.  
Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.  
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. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.--

## Section 7. Handling and storage

- Handling** : Do not ingest. Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Do not breathe vapor or mist. Wash thoroughly after handling.
- Storage** : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.  
Store between 0 and 25°C

## Section 8. Exposure controls, personal protection

- Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
- 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** : Wear suitable protective clothing.
- Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Name**  
glutaral

### Exposure limits

**ACGIH TLV (United States, 1/2004).**

CEIL: 0.05 ppm Form: All forms

**NIOSH REL (United States, 12/2001).**

CEIL: 0.8 mg/m<sup>3</sup> Form: All forms

CEIL: 0.2 ppm Form: All forms

## Section 9. Physical and chemical properties

- Physical state** : Liquid. (Liquid.)
- Color** : Clear.
- Odor** : Pungent.
- pH** : 4 (100%)
- Boiling/condensation point** : 100 °C
- Specific gravity** : 1.042 (Water = 1)

**Solubility** : Easily soluble in cold water, hot water.

## Section 10. Stability and reactivity

**Stability** : The product is stable.

**Reactivity** : Highly reactive with acids, alkalis.  
Slightly reactive to reactive with organic materials, metals.

## Section 11. Toxicological information

### Potential acute health effects

**Eyes** : Corrosive to eyes.

**Skin** : Irritating to skin. May cause sensitization by skin contact.

**Inhalation** : Harmful by inhalation. May cause sensitization by inhalation. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.

**Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach. Aspiration hazard if swallowed. Can enter lungs and cause damage.

**Chronic effects on humans** : Contains material which causes damage to the following organs: upper respiratory tract, skin, eye, lens or cornea.

## Section 12. Ecological information

**Products of degradation** : These products are carbon oxides (CO, CO<sub>2</sub>) and water.

## 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	Not regulated.	-	-	-	-

### 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  
Sensitizing 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.

**EPA Registration No.** : 464-693-17866

**Section 16. Other information**

Hazardous Material Information System (U.S.A.)	:	Health	*	3
		Fire hazard		0
		Reactivity		0
		Personal protection		B

Date of issue : 29-July-2005.  
Responsible name : Regulatory Affairs  
Date of previous issue : No previous validation.

**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.