

Material Safety Data Sheet

WCS 102



1. Product and company identification

Trade name of product : WCS 102

Product use : Biocide

Product dilution information : Not applicable

Supplier's information : Ecolab Inc. Water Care Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-75-WATER

Code : 917104

Date of issue : 09-December-2011

EPA Registration No. : 707-133-1677

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 : Liquid.

Emergency overview : DANGER !

CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS.
HARMFUL IF ABSORBED THROUGH SKIN, SWALLOWED OR INHALED.
MAY CAUSE ALLERGIC SKIN REACTION.

Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing vapors, spray or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Product AT USE DILUTION

Product is sold ready to use.

Potential acute health effects

Product AS SOLD

Eyes : Corrosive to eyes.

Skin : Corrosive to the skin. May cause sensitization by skin contact.

Inhalation : Severely irritating to the respiratory system.

Ingestion : No known significant effects or critical hazards.

See toxicological information (Section 11)

Product AT USE DILUTION

Product is sold ready to use.

3. Composition/information on ingredients

Product AS SOLD

Name	CAS number	% by weight
MAGNESIUM NITRATE	10377-60-3	3
5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	1.11
2-methyl-2H-isothiazol-3-one	2682-20-4	0.39

Product AT USE DILUTION

Name	CAS number	% by weight
Product is sold ready to use.		

3. Composition/information on ingredients

4. First aid measures

	Product AS SOLD
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. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation	: If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention.
Ingestion	: Get medical attention immediately. Do not induce vomiting unless directed to do so by medical personnel.

Product AT USE DILUTION

Product is sold ready to use.

5. Fire-fighting measures

Product AS SOLD

Hazardous thermal decomposition products

: Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide
 nitrogen oxides
 sulfur oxides
 halogenated compounds
 metal oxide/oxides

Fire-fighting media and instructions

: Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff.

In a fire or if heated, a pressure increase will occur and the container may burst.

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
Personal precautions	: Use personal protective equipment as required.
Environmental precautions	: Avoid contact of spilled material and runoff with soil and surface waterways.
Methods for cleaning up	: Use a water rinse for final clean-up.

Product AT USE DILUTION

Product is sold ready to use.

7. Handling and storage

	Product AS SOLD
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 reach of children. Store in a closed container. Keep container tightly closed.

Product AT USE DILUTION

Product is sold ready to use.

7. Handling and storage

Do not store below the following temperature: 0°C

8. Exposure controls/personal protection

Engineering measures : **Product AS SOLD**
: 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. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

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 : Avoid breathing vapor or mist.

Consult local authorities for acceptable exposure limits.

Product AT USE DILUTION

Product is sold ready to use.

Product is sold ready to use.

9. Physical and chemical properties

Physical state : **Product AS SOLD**
: Liquid.
Flash point : > 100°C
Product does not support combustion.
Color : Green [Light]
Odor : Faint odor
pH : 4 [Conc. (% w/w): 100%]
Boiling/condensation point : 100°C (212°F)
Relative density : 1.013 to 1.053
Solubility : Easily soluble in the following materials: cold water and hot water.

Product AT USE DILUTION

Product is sold ready to use.

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: organic materials and metals.
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

Eyes : **Product AS SOLD**
: Corrosive to eyes.
Skin : Corrosive to the skin. May cause sensitization by skin contact.
Inhalation : Severely irritating to the respiratory system.

Product AT USE DILUTION

Product is sold ready to use.

11. Toxicological information

Ingestion : No known significant effects or critical hazards.

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 UN3265
 DOT Proper shipping name Corrosive liquid, acidic, organic, n.o.s. (5-chloro-2-methyl-4-isothiazolin-3-one)
 Class 8
 Packing group II

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

15. Regulatory information

Product AS SOLD
 HCS Classification : Corrosive material

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.
 EPA Registration No. : 707-133-1677

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: magnesium nitrate	10377-60-3	2.3 - 2.875

California Prop. 65 : No listed substance

Product AT USE DILUTION
 Product is sold ready to use.

16. Other information

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

Health	3
Flammability	0
Physical hazards	0

16. Other information

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



Date of issue : 09-December-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.**