

Product CS362
 Revision Date 08/28/2015
 Revision 1



Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name	CS362
Identifier Uses	Closed Loop Treatment.
Supplier	Cannon Water Technology, Inc 233 Technology Way, Suite 9 Rocklin, CA 95765 Tel: 916-315-2691
Contact Person	csd@cannonwater.com
Emergency Telephone	24-HOUR EMERGENCY TELEPHONE: CHEMTEL: 1-800-255-3924

SECTION 2: HAZARDS IDENTIFICATION

Appearance	Liquid.
Color	Clear to hazy colorless.
Odor	Odorless.

Pictogram(s)



Signal Word	Warning
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Hazard Statements	H302 Harmful if swallowed. H400 Very toxic to aquatic life.
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Precautionary Statements	P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P321 Specific treatment (see [*] on this label). P391 Collect spillage. P405 Store locked up.
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Contains	Silicate Acid, Sodium Salt
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GHS Classification	
Physical and Chemical Hazards	Not classified
Human Health	Acute Tox I - H300,
Environment	Aquatic Acute I - H400

OSHA Regulatory Status	This product is Hazardous under the OSHA Hazard communication Standard.
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Inhalation	No specific symptoms noted.
Ingestion	Harmful if swallowed.
Skin contact	No specific symptoms noted.
Eye contact	No specific symptoms noted.
Routes of Exposure	No Information available.
Other Hazards	Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Composition Comments

Confidential Business Information has been removed without affecting the overall safety information on the Safety Data Sheet.

SECTION 4: FIRST AID MEASURESDescription of first aid measures**General Information**

General first aid, rest, warmth and fresh air.

Inhalation

If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. If the exposed person is not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Ingestion

If this product is ingested, drink small amounts of water and seek medical attention promptly. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Skin contact

If this product contacts the skin, immediately flush the affected area with soap and water for at least fifteen (15) minutes. If the product penetrates the clothing, promptly remove the contaminated clothing or shoes, and flush the affected area as described. Seek medical attention if irritation persists.

Eye contact

If this product contacts the eyes, immediately flush eyes with plenty of clean running water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if worn. Seek medical attention if irritation persists.

Most important symptoms and effects, both acute and delayed**General Information**

No information available

Inhalation

No specific symptoms noted.

Ingestion

Harmful if swallowed.

Skin contact

No specific symptoms noted.

Eye contact

No specific symptoms noted.

Routes of Exposure

No Information available.

Most important symptoms and effects, both acute and delayed**Notes to the Physician**

Treat Symptomatically

SECTION 5: FIREFIGHTING MEASURES**Auto Ignition Temperature (°C)**

No Information available.

Flammability Limit-Lower (%)

No Information available.

Flammability Limit-Upper (%)

No Information available.

Flashpoint

No Information available.

Extinguishing Media

Use powder, foam, carbon dioxide.

Hazardous combustion products

Unknown.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Special Fire Fighting Procedures

Use standard firefighting procedures and consider the hazards of other involved materials.

Protective equipment for fire-fighters

Fire fighters should wear full protective equipment, and have self-contained breathing apparatus available

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions**

Use proper personal protection (refer to Section 8). Use caution as product dries to form glass film which can cut easily. Spilled material is very slippery. Product can etch glass if not properly removed.

Environmental Precautions

Run off from fire control or dilution water may cause pollution. Keep out of drains, municipal sewers, open bodies of water and water course.

Spill Clean Up Methods

Safely stop source of spill. Clean up spills immediately. Restrict non-essential personnel from the area. Wear protective clothing, goggles and respirator if ventilation is not adequate. Dike spill area and soak up material with sand or other absorbent. Place into chemical waste container for disposal according to local, state or federal regulations. Flush spill area with large amounts of water.

SECTION 7: HANDLING AND STORAGE**Handling**

Use proper personal protection when handling (refer to Section 8). Use under well-ventilated conditions. Avoid contact with eyes, skin and clothing. Do NOT wear contact lenses without

Usage Description Storage Precautions	proper eye protection when using this product. Avoid breathing vapors and mists. Avoid prolonged or repeated contact. Do NOT ingest. Use vacuum or wet mop to clean up dust. Wash thoroughly after handling. Rinse container before disposal. Use only according to directions. The recommended storage temperature is above 32°F, preferably at room temperature (70°F). The recommended shelf life is two (2) years. It is recommended that products be retested if stored for more than two (2) years. Under ideal storage conditions, the shelf life is almost indefinite. Keep in original container.
Specific End Use(s)	The identified uses are in section I of this Safety Data Sheet.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective Equipment



Ingredient Comments

No occupational exposure limits noted for the ingredients(s).

Process Conditions Engineering Measures Respiratory Equipment

Keep container tightly sealed when not in use. Provide eyewash, quick drench. General mechanical ventilation is recommended for enclosed areas. Use of respirator protection is not generally required. However, if exposure is above the stated limits or ventilation is inadequate, use a NIOSH approved acid gas/organic vapor respirator to reduce potential for inhalation exposure. When using respirator cartridges, they must be changed frequently to assure breakthrough exposure does not occur.

Hand Protection Eye Protection

Use rubber or plastic gloves to minimize skin contact.
To avoid contact with eyes, use safety glasses or chemical splash goggles. Face shield is recommended. Eye wash station should be available in the work area.

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance	Liquid.
Color	Clear to hazy colorless.
Odor	Odorless.
Odor Threshold -Lower	No Information available.
Odor Threshold - Upper	No Information available.
pH-Value, Conc. Solution	11.3
Melting point	No Information available.
Initial boiling point and boiling range	No Information available.
Flashpoint	No Information available.
Evaporation rate	No Information available.
Flammability State	No Information available.
Flammability Limit-Lower (%)	No Information available.
Flammability Limit-Upper (%)	No Information available.
Vapor pressure	No Information available.

Vapor Density (air=1)	No Information available.
Relative density	1.38 @ 68.0 °F
Bulk Density	No Information available.
Solubility	Miscible.
Decomposition temperature	No Information available.
Partition coefficient; n-octanol/water	No Information available.
Auto Ignition Temperature (°C)	No Information available.
Viscosity	No Information available.
Explosive Properties	No information available.
Oxidizing Properties	No Information available.
Molecular Weight	No Information available.
Volatile Organic Compound	No Information available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Reactions may occur with ammonium salts, acids, reactive metals, aluminum, tin, lead and zinc.
Stability	This product is stable at ambient temperatures and atmospheric pressures.
Hazardous Polymerization	Hazardous polymerization is not expected to occur under normal temperatures and pressures.
Hazardous Decomposition Products	Unknown.
Conditions to Avoid	Avoid contact with ammonium salts, acids, reactive metals, aluminum, tin, lead and zinc.
Materials to Avoid	Keep away from ammonium salts, acids, reactive metals, aluminum, tin, lead and zinc.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information	No Information available.
Acute Toxicity (Oral LD50)	1200.00mg/kg Rat
Acute Toxicity (Dermal LD50)	No Information available.
Acute Toxicity (Inhalation LC50)	No Information available.
Skin Corrosion/Irritation	No Information available.
Respiratory Sensitization	No Information available.
Skin Sensitization	No Information available.
Reproductive Toxicity:	No Information available.
Germ Cell Mutagenicity:	
Genotoxicity - In Vitro	
Genotoxicity - In Vivo	
Carcinogenicity:	
Carcinogenicity	No Information available.
NTP - Carcinogenicity	The product and its components are not listed.
OSHA - Carcinogenicity	The product and its components are not listed.
IARC Carcinogenicity	The product and its components are not listed.
Specific Target Organ Toxicity - Single Exposure:	
STOT - Single Exposure	No Information available.
Specific Target Organ Toxicity - Repeated Exposure:	
STOT - Repeated Exposure	No Information available.

Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Silicate Acid, Sodium Salt	1100mg/kg Mouse	0	0

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No Information available.
Acute Toxicity - Fish	LC50 96 Hours 2317.00ppm
Acute Toxicity - Aquatic Invertebrates	LC50 96 Hours 247.00ppm Daphnia magna
Acute Toxicity - Aquatic Plants	No Information available.
Degradability	No information available.
Bioaccumulative Potential	No data available on bioaccumulation.
Mobility	No information available.
Results of PBT and vPvB Assessment	No information available.
Other Adverse Effects	No information available.

Name	Acute Toxicity (Fish)	Acute Toxicity (Aquatic)	Acute Toxicity (Aquatic Plants)
Silicate Acid, Sodium Salt	LC50 96 Hours 1800.00ppm	EC50 48 Hours ~0.57ppm	

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Disposal Methods	Do NOT dump into any sewers, on the ground or into any body of water. Rinse containers before disposal. Since emptied containers contain product residue, follow label warnings even after container is emptied. Dispose in accordance with all applicable federal, state and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number

UN No. (DOT/TDG)	UN3082
UN No. (IMDG)	UN3082
UN No. (IATA)	UN3082

Proper Shipping Name

DOT/TDG Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IATA Proper Shipping Name	Environmentally hazardous substance, liquid n.o.s.

Transport Hazard Class(es)

DOT/TDG Class	9
IMDG Class	9
IATA Class	9

Transport Labels

**Packing Group(s)**

DOT Packing Group	III
IMDG Packing Group	III
IATA Packing Group	III

Special Precautions for User

EMS	F-A, S-F
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Environmentally Hazardous Substance/Marine Pollutant

ADR	No
IMDG	No
IATA	No

SECTION 15: REGULATORY INFORMATION**US Federal Regulations****SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

The Following ingredients are listed	None Listed.
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CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The Following ingredients are listed	None Listed.
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SARA Extremely Hazardous Substances EPCRA Reportable Quantities

The Following ingredients are listed	None Listed.
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SARA 313 Emission Reporting

The Following ingredients are listed	None Listed.
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CAA Accidental Release Prevention

The Following ingredients are listed	None Listed.
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OSHA Highly Hazardous Chemicals

The Following ingredients are listed	None Listed.
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US State Regulations**California Proposition 65 Carcinogens and Reproductive Toxins**

The Following ingredients are listed	None Listed.
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California Air Toxics "Hot Spots" (A-I)

The Following ingredients are listed	None Listed.
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California Air Toxics "Hot Spots" (A-II)

The Following ingredients are listed	None Listed.
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Massachusetts "Right To Know" List

The Following ingredients are listed	None Listed.
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Rhode Island "Right To Know" List

The Following ingredients are listed	None Listed.
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Minnesota "Right To Know" List

The Following ingredients are listed	None Listed.
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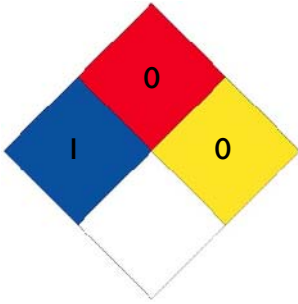
New Jersey "Right To Know" List

The Following ingredients are listed	None Listed.
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Pennsylvania "Right To Know" List

The Following ingredients are listed None Listed.

SECTION 16: OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)**HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	B

Revision Comments**Revision Date**

08/28/2015

Revision

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Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.