



SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1. Product and Supplier Identification

- 1.1 **Product:** # 9586 and #7620 Emergency Drinking Water Germicidal Tablets (Portable Aqua)
- 1.2 **Other Means of Identification:** Product Code 410, 411
- 1.3 **Product Use:** Emergency water purification treatment tablets.
- 1.4 **Restrictions on Use:** None known
- 1.5 **Producer:** Coghlan's Ltd.,
121 Irene Street,
Winnipeg, Manitoba
Canada, R3T 4C7

Telephone: +1(204) 284-9550
Facsimile: +1(204) 475-4127

Supplier: As above
- 1.6 **Emergencies (24-hour number):** +1(877) 264-4526

2. Hazards Identification

- 2.1 **Classification of product or mixture**
Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients, if any, do NOT exhibit any health effects not listed in this SDS.
- GHS Classification:** Eye Irritation, Category 2A
Acute Toxicity, Oral, Category 4
- 2.2 **GHS Label Elements, including precautionary statements**
- Pictogram:** 
- Signal Word:** Warning

Emergency Drinking Water Germicidal Tablets, #9586 and #7620 (Portable Aqua)

GHS Hazard Statements: H302: Harmful if swallowed.
H319: Causes serious eye irritation.

GHS Precautionary Statements:

Prevention: P264: Wash hands thoroughly after handling to avoid irritating eyes by transfer of chemical to the eyes.
P270: Do not eat, drink or smoke when using this product.
P280:*

Response: P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P330: Rinse mouth if tablet ingested

Storage: None

Disposal: P501: Dispose of contents/container in accordance with all local, state (provincial) and federal regulations.

*This precautionary statement, although listed for this chemical, does not apply due to form of product.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	No
Eye Contact:	Yes
Ingestion:	Yes
Inhalation:	No

Emergency Overview: This product has been developed to purify water and is in a tablet form. Tablets, in whole form, do not pose acute or chronic health effects except by accidental ingestion.. This SDS covers accidental ingestion and pulverized tablets which may have chemicals in a form to cause the following health effects. Accidental ingestion of several of these tablets may cause an upset stomach. Gross ingestion may cause diarrhea, stomach pain. If powder from crushed tablets gets on skin and is transferred to the eyes, severe irritation may occur. In minor eye contact incidents, transient pain and tearing may occur. Not expected to cause skin irritation.

Effects of Short-Term (Acute) Exposure:

Inhalation: Under normal conditions of use, no adverse health effects are indicated. Chemicals are contained within the integrity of the tablet.

Skin Contact: Contact with tablets is unlikely to cause any skin irritation. Contact with a powder from the tablet is also unlikely to cause skin irritation. If a rash occurs from powder, use only whole tablets and protect skin from contact.

Eye Contact: Contact with eyes is only likely by transfer from hands to the eyes in the case of rubbing the eyes. When handling this product, wash hands immediately after use to prevent chance of eye contact.

Ingestion: Accidental ingestion may cause stomach upset. Gross ingestion may cause diarrhea, stomach pain and nausea. Ingestion of water purified by these tablets will not cause stomach upset if used as recommended.

Effects of Long-Term (Chronic) Exposure: No adverse health effects are indicated.

Medical Conditions Aggravated By Exposure: None known

3. Composition

3.1 Mixture composition

Component	% (w/w)	GHS Classification
Sodium Acid Pyrophosphate CAS No 7758-16-9 and Inert fillers	75 - 85	Eye Irritation, Category 2A
Tetraglycine hydroperiodide CAS No 7097-60-1	15 - 20	Acute Toxicity, Oral, Category 4

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: If touching these tablets causes a skin rash to occur, protect hands before use. This product is orally toxic if ingested in tablet form. Any accidental ingestion of tablets should be treated seriously and may be treated by one of the following methods. Drink freely a thin mixture of either flour or starch in water in a ratio of 2 tablespoons per 250 ml water. Drink a solution of a half teaspoon of sodium thiosulphate in 250 ml water. Chew 7mg of ascorbic acid and drink a glass of water.

In case of eye contact: Immediately flush eyes with plenty of water. If irritation occurs or persists, call a physician.

In case of skin contact: If irritation occurs or persists, wash skin thoroughly with soap and water. Seek medical advice if a skin irritation occurs and persists. Wash hands thoroughly before eating.

If inhalation: Inhalation is not a route of entry. If powder is inhaled, remove victim to fresh air. Seek medical attention if breathing is difficult or discomfort occurs.

If ingestion: This product is orally toxic if ingested in tablet form. Any accidental ingestion of tablets should be treated seriously and may be treated by one of the following methods. Drink freely a thin mixture of either flour or starch in water in a ratio of 2 tablespoons per 250 ml water. Drink a solution of a half teaspoon of sodium thiosulphate in 250 ml water. Chew 7mg of ascorbic acid and drink a glass of water.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Under normal conditions of use, no adverse health effects are indicated. Chemicals are contained within the integrity of the tablet.

Skin Contact: Contact with tablets is unlikely to cause any skin irritation. Contact with a powder from the tablet is also unlikely to cause skin irritation. If a rash occurs from powder, use only whole tablets.

Eye Contact: Contact with eyes is only likely by transfer from hands to the eyes in the case of rubbing the eyes. When handling this product, wash hands immediately after use to prevent chance of eye contact.

Ingestion: Accidental ingestion may cause stomach upset. Gross ingestion may cause diarrhea, stomach pain and nausea. Ingestion of water purified by these tablets will not cause stomach upset if used as recommended.

Effects of Long-Term (Chronic) Exposure: No adverse health effects are indicated.

Medical Conditions Aggravated By Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed

In the case of accidental ingestion, it is important to apply one of the three antidote methods listed in Section 4.1

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Product is non-flammable. Use extinguishing media suitable for surrounding fire.

5.2 Special hazards arising from mixture: None known.

Advice for firefighters: In any fire situation, firefighters should wear full protective clothing including self contained breathing apparatus. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

5.3 Further Information:

Sensitivity to Impact: No
Sensitivity to Static Discharge: No

HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS) HAZARD INDEX:

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 0

PERSONAL PROTECTION: None

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

No personal protective equipment indicated unless handling causes irritation of the skin. If an irritation occurs, wear sufficient skin protection to prevent contact.

Respiratory Protection: Not applicable

Skin protection: Not applicable

Eye and Face Protection: Not applicable

Footwear: No specific recommendation.

Other: None

6.2 Environmental precautions

Do not dispose of tablets into the environment.

6.3 Methods and materials for containment and cleanup

Neutralize with a 10% solution of sodium thiosulphate. No end point specified. Dispose of neutralized solution in compliance with all local, state (provincial) and federal regulations.

Remedial Measures: Wipe area with clean cloth and wash hands after use.

Large Spills: This product supplied in small tablets, large spill by a consumer is unlikely.

Small Spills: If tablets are powdered, wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

6.4 Reference to other sections

For disposal, see Section 13.

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: While handling broken tablets, a residue on skin may be transferred to eyes by rubbing. Do not allow product in contact with eyes. Wash hands thoroughly after using and before eating or smoking.

7.2 Conditions for safe storage, including incompatibilities

Storage: Keep out of reach of children. Keep bottle tightly closed and store in a dry area away from heat. Store in original container at temperatures between 15.5°C (60°F) and 30°C (86°F). Keep away from food, drink and animal foodstuffs.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.3

8. Exposure Controls, Personal Protection

8.1 Control parameters

Components with workplace control parameters

Ingredients with a workplace exposure control are bound within the tablet and are not a workplace concern.

8.2 Exposure Controls

Engineering Controls: When using as directed, no controls necessary.

Respiratory Protection: Not applicable

Skin protection: Not applicable

Eye and Face Protection: Not applicable

Footwear: No specific recommendation.

Other: None

Control of environmental exposure

None

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Tablet with a bi-convex, compressed, grey with tan fleck appearance
Odour:	None
Odour Threshold:	Not applicable
pH:	Not determined
Melting Point/Freezing Point:	Not determined
Initial Boiling Point:	240.9°C @ 101.3 kPa
Flash Point:	Not applicable
Evaporation Rate:	Not available
Flammability:	Not flammable
Upper Explosion Limit:	Not available
Lower Explosion Limit:	Not available
Vapour Pressure:	Not available
Vapour Density:	Not available
Relative Density:	Not determined
Solubility:	Complete
Partition Coefficient:	Not available
Autoignition Temperature:	Not available
Decomposition Temperature:	Not available
Viscosity:	Not available
Explosive Properties:	Not available
Oxidizing Properties:	Not available
Percent Volatiles:	Not available

9.2 Other safety information: None

10. Stability and Reactivity

- 10.1 Reactivity**
Not reactive
- 10.2 Chemical Stability**
Stable under recommended storage conditions. Storage should be in a dry, cool area.
- 10.3 Possibility of hazardous reactions**
No known hazardous reactions
- 10.4 Conditions to avoid**
High humidity and elevated temperatures.
- 10.5 Incompatible materials**
Strong oxidizers, acids, bases, acetylene, or concentrated ammonia.
- 10.6 Hazardous decomposition products**
None known.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity, oral. Category 4, H302: Harmful if swallowed.

Skin corrosion/irritation

No GHS classification

Serious eye damage/eye irritation

Eye Irritation, Category 2A, H319: Causes serious eye irritation.

Respiratory or skin sensitization

No GHS classification

Germ Cell Mutagenicity

No GHS classification

Carcinogenicity

No GHS classification

Reproductive toxicity

No GHS classification

Specific Target Organ Toxicity – Single exposure

No GHS classification

Specific Target Organ Toxicity – Repeated exposure

No GHS classification

Aspiration Hazard

No GHS classification

Aquatic Toxicity

No GHS classification

Additional information

Component	LD ₅₀	LC ₅₀
Sodium Acid Pyrophosphate CAS No 7758-16-9	2650 mg/kg (oral/rat) >2000 mg/kg (dermal/rabbit)	0.58 mg/l (inhalation, rat, 4hr)
Tetraglycine hydroperiodide CAS No 7097-60-1	N/d	N/d

* ACGIH: American Conference of Governmental Industrial Hygienists. Exposure limits may vary from time to time and from one jurisdiction to another. Check with local regulatory agency for the exposure limits in your area.

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

12. Ecological Information

12.1 Toxicity

Aquatic, Acute No data available

Aquatic, Chronic No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not conducted

12.6 Other adverse effects

No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product:

P501: Dispose of product according to all applicable local, state (provincial), and federal regulations.

Contaminated Packaging:

As above

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:

CEPA, DOMESTIC SUBSTANCES LIST: Listed

AMERICAN FEDERAL REGULATIONS:

US Federal Regulations: This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

CERCLA Hazardous Substance List (40 CFR 302.4) Not regulated

SARA 302 Extremely hazardous substance: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazardous chemical: No SARA Hazards

SARA 313 (TRI reporting): SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Other Federal Regulations: None

OTHER:

Current EPA Registration Number: 79533-1

16. Other Information

Original Preparation Date: October 13, 2015

Prepared by: Technical Department, Coghlan's Ltd.

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by CCINFO, ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Coghlan's Ltd expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Coghlan's Ltd.

Revisions: March 25, 2018, reviewed and changed Table in Section 3, added toxicity data to Section 11.