

MATERIAL SAFETY DATA SHEET – 16 Sections

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier #9584, #9586 Neutralizer			[WHMIS Classification]	
Product Use Drinking Water Treatment				
Manufacturer's Name		Supplier's Name Coghlan's Ltd.		
Street Address		Street Address 121 Irene Street		
City	Province	City Winnipeg	Province Manitoba	
Postal Code	Emergency Telephone	Postal Code R3T 4C7	Emergency Telephone 1-877-264-4526	
Date MSDS Revised February 01, 2010	MSDS Prepared By		Phone Number (204)284-9550	

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (specific)	%	CAS Number	LD ₅₀ of Ingredient (specify species and route)	LC ₅₀ of Ingredient (specify species)
Ascorbic Acid	40%	50-81-7		
No hazardous components present with normal use.				

SECTION 3 – HAZARDS IDENTIFICATION

Route of Entry <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion
[Emergency Overview] May cause skin and eye irritation. Concentrated dust may irritate the nose and throat. If large doses are ingested, it may cause gastrointestinal distress.
[WHMIS Symbols]
[Potential Health Effects]

SECTION 4 – FIRST AID MEASURES

Skin Contact Wash exposed areas with soap and water. If irritation occurs and persists, obtain medical attention.
Eye Contact Flush with plenty of water for 15 minutes. Contact physician if irritation persists.
Inhalation Remove to fresh air. If breathing is difficult or if any discomfort persists, obtain medical attention.
Ingestion Drink plenty of water. If any discomfort persists, obtain medical attention.

[Optional, not required under WHMIS]

SECTION 5 – FIRE FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If yes, under which conditions?
Means of Extinction Water spray, dry chemical, CO ₂ , or foam. Use self-contained breathing apparatus.			
Flashpoint (°C) and Method	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)	
Autoignition Temperature (°C)	Explosion Data – Sensitivity to Impact	Explosion Data – Sensitivity to Static Discharge	
Hazardous Combustion Products Concentrated dust may be an explosion hazard.			
[NFPA]			

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Normal clean-up procedure.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment
Store in original container in a moisture free area.
Storage Requirements
Store in original container in a moisture free area.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process)			
Personal Protective Equipment			
<input type="checkbox"/> Gloves	<input type="checkbox"/> Respirator	<input type="checkbox"/> Eye	<input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type			

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid	Odour and Appearance White to off-white tablet, odorless	Odour Threshold (ppm)
Specific Gravity	Vapour Density (air=1)	Vapour Pressure (mmHg)
Evaporation Rate	Boiling Point (°C)	Freezing Point (°C)
pH	Coefficient of Water/Oil Distribution	[Solubility in Water] Soluble

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong acid and strong oxidizing agents. Alkalies, Iron, copper, water, air oxidizing agents may cause degradation.
Avoid moisture, light – especially if in an aqueous solution (promotes oxidation).	
Reactivity, and under what conditions? Concentrated dust may be an explosion hazard.	
Hazardous Decomposition Products Under fire conditions, carbon monoxide and other potentially toxic vapors may form.	

SECTION 11– TOXICOLOGICAL INFORMATION

Effects of Acute Exposure Concentrated dust may irritate the nose and throat. May cause skin irritation. If ingested in large doses, may cause gastrointestinal distress.	
Effects of Chronic Exposure	
Irritancy of Product	
Skin Sensitization	Respiratory Sensitization
Carcinogenicity – IARC	Carcinogenicity – ACGIH
Reproductive Toxicity	Teratogenicity
Embryotoxicity	Mutagenicity
Name of Synergistic Products/Effects	

SECTION 12 - ECOLOGICAL INFORMATION

[Aquatic Toxicity]

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal

In accordance with local, state and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

Special Shipping Information

PIN

TDG

[DOT]

[IMO]

[ICAO]

SECTION 15 - REGULATORY INFORMATION

[WHMIS Classification]

[OSHA]

[SERA]

[TSCA]

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

SECTION 16 - OTHER INFORMATION

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is only to describe the product. The data does not signify any warranty with regard to the products' properties.