FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL DAY OR NIGHT 1-800-561-8273 or

CHEMTREC 1-800-424-9300

		CHEMTREC 1-800-4	24-9300	
1. CHEMICAL PRODU	JCT AND COMPANY	INFORMATION		
	DUCTS CANADA, INC. Drive • Dorchester, Onta	rio N0L 1G5	24-Hour Emerg Additional Emergency Phone (Can	jency Phone: 1-800-561-827 u tec): 1-613-996-6666 (Collec
	oluble Micronutrient Fert 001034B – Fertilizers Ad			Supersedes: 07/06/1
2. HAZARDS IDENTIF	FICATION SUMMARY	,		
soluble micronutrient is deri This product is a pale blue-o	ved from Copper Sulfate	and Citric Acid. r with fertilizer-like odour. Primary	id prolonged or repeated skin contact. routes of entry are eye contact and skin	
Chemical Ingredients:		Percentage by Weight:	CAS No.	TLV (Units)
Copper Sulfate (Cu) Citric Acid		22.00 20.00	7758-99-8 77-92-9	not listed not listed
4. FIRST AID MEASU	RES			
lf inhaled: If in eyes: If on skin or clothing: If swallowed:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice. Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice. Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for further treatment advice. Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.			
FOR A MEDICAL EMERGENCY	INVOLVING THIS PRODUC centre or doctor, or (e product label or container with you w	hen calling a poison control
5. FIRE FIGHTING ME	ASURES			
FLASH POINT (°F/Test Method): FLAMMABLE LIMITS (LFL & UFL): EXTINGUISHING MEDIA: HAZARDOUS COMBUSTION PRODUCTS: SPECIAL FIRE FIGHTING PROCEDURES: UNUSUAL FIRE AND EXPLOSION HAZARDS:		Not applicable Not applicable Use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water spray or fog. May include but are not limited to oxides of sulfur. Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self contained breathing apparatus and full protective gear. Dusts or vapors can travel to a sources of ignition and flash back.		
FLAMMABLE LIMITS (LFL EXTINGUISHING MEDIA: HAZARDOUS COMBUSTI SPECIAL FIRE FIGHTING	ON PRODUCTS: PROCEDURES:	May include but are not limited to Use water spray to cool contained contained breathing apparatus a	o oxides of sulfur. ers exposed to fire. Remain upwind. Avo nd full protective gear.	

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING:	Mix product in HDPE, fiberglass or stainless steel containers only. Wash thoroughly after handling. Avoid breathing dust. Use with adequate ventilation. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
STORAGE:	Carefully fold and secure open bags and store in a cool dry place away from children, feed and food products, pesticides, and seed. Do not contaminate water, food, or feed by storage or disposal.

SOLUBILITY: Soluble

pH: 1.6 - 1.7 (1% solution)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: RESPIRATORY PROTECTION:	Not normally required. Not normally required, if vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved pesticide respirator with dust/mist prefilter.
EYE PROTECTION: SKIN PROTECTION:	Chemical goggles or shielded safety glasses. Wear protective clothing: long-sleeved shirts and pants, shoes with socks. Wear rubber or chemical-resistant gloves.
	OSHA PEL 8 hr TWA ACGIH TLV-TWA

Nuisance Particulates

ites 15 mg/m³ (Total Dust)

ACGIH TLV-TWA Not listed

9. PHYSICAL AND CHEMICAL PROPERTIES

 APPEARANCE AND ODOUR: Pale blue-colored granular powder with fertilizer-like odour
 S

 SPECIFIC GRAVITY (Water = 1): 1.12 g/ml
 BULK DENSITY: 1120 kg/m³
 p

 VAPOUR PRESSURE: Not applicable
 BOILING POINT: Not applicable
 p

 PERCENT VOLATILE (by volume): Not applicable
 EVAPORATION RATE: (Butyl Acetate = 1): Not applicable
 Not applicable

 Note:
 These physical data are typical values based on material tested but may vary from sample to sample.
 S

Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Excessive heat and moisture.
INCOMPATIBILITY: Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of sulfur may be released in a fire situation.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (male rat): > 5000 mg/kg Eye Irritation (rabbit): May cause irritation Inhalation LC₅₀ (female rat): Not established. Carcinogenic Potential: Not listed in OSHA, NTP, IARC, or ACGIH.

Acute Dermal LD₅₀ (rabbit): > 5000 mg/kg Skin Irritation (rabbit): May cause irritation Skin Sensitization (Guinea Pig): Not established

12. ECOLOGICAL INFORMATION

Drift or runoff may adversely affect non-target plants. Do not contaminate water by cleaning of equipment or disposal of wastes. Use this product only as specified on the product labeling.

13. DISPOSAL CONSIDERATIONS

Completely empty bag into application equipment. Do not reuse bag. Contact your local dealer/distributor for the location of the nearest collection site. Before taking container to the collection site: Make the empty container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Do not contaminate water, food, or feed by storage or disposal.

14. TRANSPORT INFORMATION

DOT/TDG Shipping Description: NOT REGULATED

U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI, DRY (NMFC 68140, SUB 5; CLASS 50) IMDG Shipping Description: NOT REGULATED

Consult appropriate ICAO/IATA regulations for shipment requirements in the Air shipping mode.

15. REGULATORY INFORMATION NFPA & HMIS Hazard Ratings: NFPA HMIS 1 Health 0 Least 1 Health Flammability 0 Slight 0 Flammability 1 0 Instability 2 Moderate 0 Reactivity PPE 3 High Е 4 Severe SARA Hazard Notification/Reporting SARA Title III Hazard Category: Immediate Fire Sudden Release of Pressure N Υ Ν Delayed Ν Reactive Ν

Reportable Quantity (RQ) under U.S. CERCLA: Copper Sulfate (CAS: 7758-98-7) 10 pounds SARA, Title III, Section 313: Copper Sulfate (CAS: 7758-98-7) 22% RCRA Waste Code: Not listed CA Proposition 65: Not listed

16. OTHER INFORMATION

MSDS STATUS: Sections 1 and 4 revised PREPARED BY: Registrations and Regulatory Affairs

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REVIEWED BY: Environmental Health and Safety

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