



Foliar Fertilizer

# H.D. CAMPBELL CO., INC.

## MATERIAL SAFETY DATA SHEET



Micronutrients

Section 1		NAME & PRODUCT	
MANUFACTURER'S NAME	H.D. Campbell Company, Inc.		IN CASE OF EMERGENCY TELEPHONE
STREET ADDRESS	238 North Main Street	For latest data, consult manufacturer	
CITY, STATE, ZIP CODE	Rochelle, IL 61068	Prepared by:	Date:
CHEMICAL NAME, TRADE NAME AND SYNONYMS		Campbell's Gro-Green	
FORMULA OF PRIMARY COMPONENTS (STRUCTURAL)			
20-20-20			

Section 2		INGREDIENTS		%	%	%	TLV (units)
1	Ammoniacal nitrogen					8.96	
	Nitrate nitrogen					5.61	
	Urea nitrogen					10.43	
	Available phosphoric acid (P <sub>2</sub> O <sub>5</sub> )					20.0	
	Soluble potash (K <sub>2</sub> O)					20.0	
	Secondary plant nutrients: B, Cu, Fe, Mg, Mn, Mo, Co & Zn.					.771	

Section 3		PHYSICAL DATA	
2	BOILING POINT (°F)	None, decompose @300	6 SPECIFIC GRAVITY (H <sub>2</sub> O=1)
3	VAPOR PRESSURE (mmHg at 20°C)	N/A	7 % VOLATILE BY VOLUME
4	VAPOR DENSITY (air=1)	N/A	8 COLOR AND ODOR
5	SOLUBILITY IN WATER	48/100	9 PHYSICAL STATE
			1.60
			<1.00
			green & none
			powder

Section 4		FIRE AND EXPLOSION HAZARD DATA	
10	FLASH POINT (METHOD USED)	11 FLAMMABLE LIMITS STP	
	°F	N/A	L.F.L.
			U.F.L. non-flammable
12	EXTINGUISHING MEDIA	FOAM	OTHER
	<input checked="" type="checkbox"/> WATER FOG	<input type="checkbox"/> ALCOHOL FOAM	<input type="checkbox"/> CO <sub>2</sub>
	<input checked="" type="checkbox"/> WATER FOG	<input type="checkbox"/> DRY CHEMICAL	<input type="checkbox"/> OTHER
13	SPECIAL FIRE FIGHTING PROTECTIVE EQUIPMENT		

Gas mask or self-contained air pack to protect against

oxides of nitrogen that may be produced.

14	UNUSUAL FIRE AND EXPLOSION HAZARDS	Avoid breathing fumes from fire. Product may become slippery when wet.
----	------------------------------------	--

Section 5		REACTIVITY DATA	
15	STABILITY	16 CONDITIONS TO AVOID	
	FIRE CONDITIONS	High humidity areas may cause material to firm up in package.	
17	INCOMPATIBILITY (Materials to avoid)	<input type="checkbox"/> WATER	<input type="checkbox"/> ACID
		<input type="checkbox"/> BASE	<input checked="" type="checkbox"/> CORROSIVE*
		<input type="checkbox"/> OTHER*	<input checked="" type="checkbox"/> OXIDIZING MATERIAL
18	HAZARDOUS DECOMPOSITION PRODUCTS		
	N/A		
19	HAZARDOUS POLYMERIZATION	20 CONDITIONS TO AVOID	
	MAY OCCUR		
	WILL NOT OCCUR	XX	

## Section 6

## HEALTH HAZARD DATA

- 21 ORAL INGESTION The ingestion of large quantities can cause nitrate poisoning.
- 22 EYE CONTACT Possible abrasion by the solid crystal surfaces.
- 23 SKIN CONTACT Not known to be hazardous, however prolonged contact may cause redness.
- 24 SKIN ABSORPTION Not known to be absorbed through the skin.
- 25 INHALATION (TLV OR SUGGESTED CONTROL FIGURE) Possible poisoning (see oral ingestion)/ TLV unknown.
- 26 EFFECTS OF OVEREXPOSURE Acute local, unknown. Acute systemic, ingestion moderate. Chronic local, unknown. Chronic systemic, ingestion moderate.
- 27 FIRST AID PROCEDURES Eyes, wash 15 minutes with clean water. Skin, wash with clean water.
- Inhalation or oral ingestion, send to physician. A physician's attention is recommended after the first aid is administered.

## Section 7

## SPILL OR LEAK PROCEDURES

- 28 STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Sweep up and store in clean plastic bags away from combustibles. If required, flush with clean water. Do not contaminate creeks, rivers or ground water supply.
- 29 DISPOSAL METHOD If disposal is required, consult the State Pollution Bureau. Do not dispose of in manner that will contaminate water supplies.

## Section 8

## SPECIAL PROTECTION INFORMATION

30 VENTILATION	LOCAL EXHAUST Recommended	SPECIAL
	MECHANICAL (General) Optional	OTHER

- 31 RESPIRATORY PROTECTION (Specify Type) If dust is present use a chemical dust mask.
- 32 PROTECTIVE CLOTHING Normal prescribed work clothes for the area are normally sufficient.
- 33 EYE PROTECTION  
 NOT NORMALLY NECESSARY     SAFETY GLASSES WITHOUT SIDE SHIELDS     SAFETY GLASSES WITH SIDE SHIELDS    OR     CHEMICAL WORKERS GOGGLES  
 GAS TIGHT GOGGLES OR EQUIVALENT     OTHER
- 34 OTHER PROTECTIVE EQUIPMENT Eye wash fountain and wash up areas are normally sufficient.

## Section 9

## SPECIAL PRECAUTIONS OR OTHER COMMENTS

- 35 PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Do not store with combustible materials or in high humidity areas.
- 36 OTHER PRECAUTIONS Establish a storage area inspection schedule.