



**THE ANDERSONS
SAFETY DATA SHEET**

DATE PREPARED: 09/08/10

CURRENT AS OF: 2/5/15

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: APT6M2X25.2

PRODUCT NAME: Foltec Chlorofast-S

PRODUCT USE: Micronutrient Fertilizer

DISTRIBUTED BY: The Andersons Lawn Products
PO Box 119
Maumee, Ohio 43537

FOR EMERGENCY: (800) 757-8951

FOR INFORMATION: (419) 891-2957
(574) 753-4974

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:



WARNING

**MAY BE HARMFUL IF SWALLOWED
MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE EYE IRRITATION
MAY CAUSE RESPIRATORY IRRITATION**

HAZARD CLASSIFICATIONS:

ACUTE TOXICITY

SKIN IRRITATION

EYE IRRITATION

TARGET ORGAN SYSTEMIC TOXICITY

CATEGORY

5

3

2B

3

INTERPRETATION

Low

Mild Irritation Possible

Eye Irritation Possible

Transient Respiratory Irritation Possible

PRECAUTIONARY STATEMENTS:

- *CALL A POISON CENTER / PHYSICIAN IF UNWELL*
- *IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE*
- *IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES*
- *IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE*
- *WASH HANDS AFTER HANDLING*
- *USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS*
- *AVOID BREATHING MIST / SPRAY*
- *IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING*
- *STORE CONTAINER TIGHTLY CLOSED*
- *DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS*

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Liquid micronutrient fertilizer blend		Mixture	100.0

SECTION 4: FIRST AID MEASURES

IF INHALED:	Move victim to fresh air. Seek medical attention if irritation persists.
IF ON SKIN:	Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
IF IN THE EYES:	Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.
IF SWALLOWED:	If victim is alert and not convulsing, give one glass of water to dilute material, but DO NOT induce vomiting. Seek immediate medical attention.
SPECIAL TREATMENT:	None known
HEALTH HAZARDS:	See Section 11

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:	Use media suitable for surrounding fire. No special media required.
SPECIFIC FIRE HAZARDS:	Decomposition products may be toxic.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES:	Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.
ENVIRONMENTAL PRECAUTIONS:	Prevent spilled material from entering storm drains or water bodies.
PROTECTIVE EQUIPMENT:	See Section 8

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry, well ventilated area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTIONEXPOSURE LIMITS:

<u>HAZARDOUS COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Liquid micronutrient fertilizer blend	1 mg/m ³ (manganese)	0.2 mg/m ³ (manganese)

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION: NIOSH approved particulate / mist respirator, if required
EYE PROTECTION: Safety glasses with sideshields, goggles, or faceshield recommended
SKIN PROTECTION: Long sleeves, protective (rubber, neoprene) gloves recommended
VENTILATION: Local exhaust ventilation recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Black liquid with marine odor
pH: 5.5 – 6.5
MELTING POINT: Not applicable
BOILING POINT: Not available
FLASH POINT: Not flammable
EVAPORATION RATE: Not available
FLAMMABLE LIMITS: Not applicable
VAPOR PRESSURE: Not available
VAPOR DENSITY: Not available
SPECIFIC GRAVITY: 1.26
BULK DENSITY: 10.5 lbs/gal
SOLUBILITY (IN WATER): Soluble
PARTITION COEFFICIENT: Not available
AUTOIGNITION TEMP: Not applicable
DECOMPOSITION TEMP: Not applicable

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable
CONDITIONS TO AVOID: Excessive heat (greater than 270°F)
INCOMPATIBILITY: Strong acids, oxidizers, alkalis, hypochlorites, aldehydes, reducers, copper
HAZARDOUS DECOMPOSITION PRODUCTS: NO_x, CO_x, NH₃, manganese and magnesium compounds

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: May cause temporary and reversible eye irritation. May also cause irritation of the skin, respiratory tract, mucous membranes, and gastrointestinal tract. Ingestion may result in vomiting, diarrhea, drowsiness, slowed reflexes, slurred speech, and other symptoms consistent with mild CNS depression. May cause methemoglobinemia upon ingestion characterized by cyanosis, headache, dizziness, fatigue, and nausea.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens.

INGREDIENT TOXICITY RANGES:

ORAL: None listed
DERMAL: None listed
INHALATION: None listed

SECTION 12: ECOLOGICAL INFORMATION

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	1
	FLAMMABILITY	0
	INSTABILITY	0

HMIS RATINGS:	HEALTH	1
	FLAMMABILITY	0
	PHYSICAL HAZARD	0

MSDS ID NO: LOG176

PREPARED BY: SS

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