



**THE ANDERSONS
SAFETY DATA SHEET**

DATE PREPARED: 01/28/16

CURRENT AS OF: 1/7/22

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: 10001187, 10000977

PRODUCT NAME: CITRIC CHELATED IRON 5%

PRODUCT USE: Micronutrient

MFR INFO: The Andersons, Inc.
PO Box 119
Maumee, OH 43537

FOR EMERGENCY: (800) 757-8951

FOR INFORMATION: (419) 893-5050

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:



WARNING

**CAUSES SKIN AND SERIOUS EYE IRRITATION
MAY CAUSE RESPIRATORY IRRITATION**

HAZARD CLASSIFICATIONS:

SKIN IRRITATION

EYE IRRITATION

TARGET ORGAN SYSTEMIC TOXICITY

CATEGORY

2

2A

3

INTERPRETATION

Severe Skin Irritation Possible

Serious Eye Irritation Possible

Transient Respiratory Irritation Possible

PRECAUTIONARY STATEMENTS:

- *CALL A POISON CENTER / PHYSICIAN IF UNWELL*
- *WEAR PROTECTIVE GLOVES / CLOTHING AND EYE / FACE PROTECTION*
- *IF ON SKIN, REMOVE IMMEDIATELY ALL CONTAMINATED CLOTHING*
- *IF ON SKIN, RINSE SKIN WITH WATER / SHOWER*
- *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*
- *IF SWALLOWED, RINSE MOUTH – DO NOT INDUCE VOMITING*
- *IF INHALED, REMOVE TO FRESH AIR*
- *DO NOT EAT, DRINK, OR SMOKE WHEN USING PRODUCT*
- *WASH HANDS AFTER HANDLING*
- *USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS*
- *AVOID BREATHING MIST*
- *IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING*
- *STORE CONTAINER TIGHTLY CLOSED, LOCKED UP*
- *DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS*

NOTE: 24% OF THE MIXTURE CONSISTS OF INGREDIENTS OF UNKNOWN TOXICITY

CITRIC CHELATED IRON 5%**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Micronutrient 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. 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:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

<u>HAZARDOUS COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Micronutrient blend		1 mg/m ³ (iron)

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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) gloves recommended
VENTILATION:	Local exhaust ventilation recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Dark brown liquid with slight earthy odor
pH:	2.0 – 3.0
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:	1.20
SOLUBILITY (IN WATER):	Soluble
PARTITION COEFFICIENT:	Not available
AUTOIGNITION TEMP:	Not applicable
DECOMPOSITION TEMP:	Not applicable
ODOR THRESHOLD:	Not available
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Product is stable.
CONDITIONS TO AVOID:	Excessive heat
INCOMPATIBILITY:	Strong oxidizers, alkalis
HAZARDOUS DECOMPOSITION PRODUCTS:	CO _x , SO _x , metal oxides

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: May cause severe eye irritation. May also cause irritation of the skin, respiratory tract, mucous membranes, and gastrointestinal tract. Inhalation may result in coughing and difficult breathing.

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

INGREDIENT TOXICITY RANGES:

ORAL:	> 6,730 mg/kg (citric acid)
DERMAL:	Not listed
INHALATION:	Not listed

SECTION 12: ECOLOGICAL INFORMATION

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

CITRIC CHELATED IRON 5%**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 should be placarded as a corrosive due to its low pH.

SHIPPING NAME: Corrosive liquid, acidic, n.o.s.

SECTION 15: REGULATORY INFORMATION

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	2
	FLAMMABILITY	0
	INSTABILITY	0

HMIS RATINGS:	HEALTH	2
	FLAMMABILITY	0
	PHYSICAL HAZARD	0

PREPARED BY: SS

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