



THE ANDERSONS
SAFETY DATA SHEET

DATE PREPARED: 01/28/20

CURRENT AS OF: 10/4/23

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT NUMBER: 10004700, 10004713

PRODUCT NAME: FOLTEC® LQ ULTRA 6-0-0 HI MG, MN

PRODUCT USE: Fertilizer

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

FOR EMERGENCY: (800) 757-8951
FOR INFORMATION: (419) 893-5050

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:



DANGER

CAUSES SKIN, RESPIRATORY AND SERIOUS EYE IRRITATION. MAY INTENSIFY FIRE; OXIDIZER.

HAZARD CLASSIFICATIONS:

EYE IRRITATION

SKIN IRRITATION

OXIDIZING LIQUID

SPECIFIC TARGET ORGAN TOXICITY

- *SINGLE EXPOSURE*

CATEGORY

2A

2

3

3

INTERPRETATION

Causes serious eye irritation

Causes skin irritation

May intensify fire; oxidizer

Causes irritation to respiratory tract

PRECAUTIONARY STATEMENTS:

- *KEEP AWAY FROM HEAT*
- *TAKE ANY PRECAUTIONS TO AVOID MIXING WITH COMBUSTIBLES*
- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *DO NOT BREATHE VAPORS/MISTS*
- *IF INHALED: MOVE TO FRESH AIR AND KEEP COMFORTABLE. SEEK MEDICAL ATTENTION IF UNWELL*
- *USE ONLY OUTDOORS OR IN WELL-VENTILATED AREA*
- *CALL POISON CONTROL OR SEEK MEDICAL ATTENTION IF YOU FEEL UNWELL*
- *WASH THOROUGHLY AFTER HANDLING*
- *DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT*
- *IF SWALLOWED: RINSE MOUTH AND SEEK MEDICAL ATTENTION*
- *IF IN EYES OR ON SKIN: RINSE AREA WITH PLENTY OF WATER, REMOVE CONTACT LENSES*
- *IF EYE OR SKIN IRRITATION CONTINUES: SEEK MEDICAL ATTENTION*

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Magnesium Nitrate Hexahydrate		13446-18-9	10-20
Manganese Nitrate Tetrahydrate		20694-39-7	10-20
Ureas	Mixed ureas	Mixture	1-10

SECTION 4: FIRST AID MEASURES

IF INHALED:	Move to fresh air and keep comfortable, call POISON CONTROL if unwell.
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 15-20 minutes, remove contact lenses if present and easy to do – continue rinsing. Seek medical attention if irritation persists
IF SWALLOWED:	Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. IMMEDIATELY call POISON CONTROL.
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:	When heated to decomposition, this product will emit toxic oxides and ammonia.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES:	Contain material and place in containers for use as intended, or discard according to Federal, State and Local regulations.
ENVIRONMENTAL PRECAUTIONS:	Prevent spilled material from entering storm drains or water bodies. If material enters a waterway, notify the appropriate authorities.
PROTECTIVE EQUIPMENT:	Wear PPE according to Section 8

SECTION 7: HANDLING AND STORAGE

Wash hands after handling material. Do not eat, drink or smoke while handling the material. Do not breathe vapors/mists. Not intended for human consumption. Store in a cool, dry, well-ventilated area away from incompatible materials and heat sources. Keep containers tightly closed when not in use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE 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>
Manganese Compounds	5mg/m ³	0.2mg/m ³
Manganese Nitrate	500 mg/m ³ (NIOSH IDLH)	0.2mg/m ³

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved respirator, if required
EYE PROTECTION:	Safety glasses with sideshields, goggles, or faceshield
SKIN PROTECTION:	Appropriate for the task. Impervious and compatible with material
VENTILATION:	Use with adequate ventilation

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Solution with earthy odor
pH:	~3.50
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:	~1.252
SOLUBILITY (IN WATER):	Soluble
PARTITION COEFFICIENT:	Not available
AUTOIGNITION TEMP:	Not available
DECOMPOSITION TEMP:	Not available
ODOR THRESHOLD:	Not available
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Product is stable.
CONDITIONS TO AVOID:	Extreme heat
INCOMPATIBILITY:	Reducers
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic oxides and ammonia.

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: Causes skin, respiratory and serious eye irritation.

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

INGREDIENT TOXICITY RANGES:

SECTION 12: ECOLOGICAL INFORMATION

Very toxic to aquatic life with lasting effects. Long-term degradation products may arise. Products of degradation are not expected to be hazardous.

SECTION 13: DISPOSAL CONSIDERATIONS

Use product for intended purpose where possible. Dispose of in accordance with all national, regional / state, and local regulations.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER:	UN1477
PROPER SHIPPING NAME:	Nitrates, Inorganic, N.O.S. (Magnesium Nitrate)
TRANSPORT HAZARD CLASS:	5.1 Oxidizer
PACKING GROUP:	II

SECTION 15: REGULATORY INFORMATION

SARA 311/312	ACUTE
SARA 313	Nitrate Compounds (water dissociable)

SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	1
	FLAMMABILITY	0
	INSTABILITY	0

HMIS RATINGS:	HEALTH	1
	FLAMMABILITY	0
	INSTABILITY	0

PREPARED BY: EHS Consulting

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