



**THE ANDERSONS
SAFETY DATA SHEET**

DATE PREPARED: 07/23/18

CURRENT AS OF: 8/18/22

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: 10005247, 10006167, 10006169

PRODUCT NAME: FOLTEC® SG 8-24-8

PRODUCT USE: Soluble Turf Fertilizer

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: This material is not considered hazardous

HAZARD CLASSIFICATIONS:
NOT CLASSIFIED

CATEGORY

INTERPRETATION

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Monoammonium Phosphahte		7722-76-1	30-40
Potassium Nitrate		7757-79-1	15-25
Ammonium Sulfate		7783-20-2	10-15
Manganese EDTA		15375-84-5	1-10

SECTION 4: FIRST AID MEASURES

IF INHALED: Move to fresh air, keep comfortable, seek medical attention if breathing becomes difficult or symptoms persist.

IF ON SKIN: Wash affected areas with soap and water while removing and isolating all contaminated clothing. Seek medical attention if irritation persists or a rash appears. Wash contaminated clothing before re-use.

IF IN THE EYES: Do not rub eyes. Immediately flush with water for 15-20 minutes and seek medical attention.

IF SWALLOWED: Rinse mouth. Get medical attention if symptoms occur. If ingestion of a large amount occurs, seek medical attention.

SPECIAL TREATMENT: None known

HEALTH HAZARDS: See Section 11

SECTION 5: FIREFIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA: Water fog. Foam. Dry Chemical powder. Carbon dioxide (CO₂).
- UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as extinguisher, as this may spread the fire.
- SPECIFIC FIRE HAZARDS: During fire, gases hazardous to health may be formed. Heating may cause the release of ammonia vapors.
- 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.

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

SECTION 7: HANDLING AND STORAGE

Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Store in a cool, dry, well ventilated area away from incompatible materials and sources of heat/ignition.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTIONEXPOSURE LIMITS:

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

<u>HAZARDOUS COMPONENT</u>	<u>CAS</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Manganese EDTA	15375-84-5	Ceiling	5 mg/m ³	
		STEL	3 mg/m ³	Fume
		TWA	1 mg/m ³	Fume

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved respirator, if required
EYE PROTECTION:	Wear safety glasses with side shields (or goggles). Unvented, tight fitting goggles should be worn in dusty areas.
SKIN PROTECTION:	Appropriate for the task. Impervious and compatible with material
VENTILATION:	Use only outdoors or with adequate [explosion proof] ventilation

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Solid Tan Powder with black and white specks.
pH:	Not Applicable
MELTING POINT:	Not applicable
BOILING POINT:	Not available
FLASH POINT:	Not flammable
EVAPORATION RATE:	Not available
FLAMMABLE LIMITS:	Will burn if involved in fire
VAPOR PRESSURE:	Not available
VAPOR DENSITY:	Not available
SPECIFIC GRAVITY:	Not available
SOLUBILITY (IN WATER):	Completely 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 and non-reactive under normal conditions of use, storage and transport.
CONDITIONS TO AVOID:	Contact with incompatible materials. Excessive heat.
INCOMPATIBILITY:	Reducing agents. This product may react with mineral acids and strong bases.
HAZARDOUS DECOMPOSITION PRODUCTS:	

Thermal decomposition or combustion may produce: nitrogen oxides, ammonia, sulfur oxides, carbon oxides and metal oxides.

SECTION 11: TOXICOLOGICAL INFORMATION**HEALTH EFFECTS:**

Inhalation:	Dust may irritate respiratory system. Prolonged inhalation may be harmful.
Skin contact:	Dust or powder may irritate skin.
Eye contact:	Dust may irritate the eyes.
Ingestion:	Expected to be low ingestion hazard. Nitrate poisoning resulting in methemoglobinemia manifested in cyanosis is rare, but possible for people with specific susceptibility traits.

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Acute Toxicity: Not expected to be acutely toxic. However, may be harmful if swallowed.

CARCINOGENICITY: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

INGREDIENT TOXICITY RANGES: None known.

SECTION 12: ECOLOGICAL INFORMATION

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. This product is not considered hazardous waste.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not regulated
CERCLA Hazardous Substance List (40 CFR 302.4)	Manganese EDTA (CAS 15375-84-5) LISTED
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard Categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely hazardous substance	Not listed
SARA 311/312 Hazardous chemical	No
SARA 313 (TRI reporting)	
Chemical name	CAS number % by wt.
Monoammonium Phosphate	7722-76-1 39.5
Potassium nitrate	7757-79-1 18
Ammonium Sulfate	7783-20-2 13.3
Manganese EDTA	15375-84-5 4.3
Other federal regulations	
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Manganese EDTA (CAS 15375-84-5)
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not regulated

US state regulations

US. Massachusetts RTK - Substance List

Ammonium sulfate (CAS 7783-20-2)
 Potassium nitrate (CAS 7757-79-1)

US. New Jersey Worker and Community Right-to-Know Act

Manganese EDTA (CAS 15375-84-5)
 Potassium nitrate (CAS 7757-79-1)

US. Pennsylvania Worker and Community Right-to-Know Law

Ammonium sulfate (CAS 7783-20-2)
 Manganese EDTA (CAS 15375-84-5)
 Potassium nitrate (CAS 7757-79-1)

US. Rhode Island RTK

Manganese EDTA (CAS 15375-84-5)
 Potassium nitrate (CAS 7757-79-1)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s)/region	Inventory Name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippine	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

* "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

**"No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	1
	FLAMMABILITY	1
	INSTABILITY	0
HMIS RATINGS:	HEALTH	1
	FLAMMABILITY	1
	INSTABILITY	0

PREPARED BY: DBA EHS Consulting

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