

# THE ANDERSONS SAFETY DATA SHEET

DATE PREPARED: 07/23/18 CURRENT AS OF: 8/18/22

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION** 

PRODUCT CODE: 10005242, 10005879, 10005881

PRODUCT NAME: FOLTEC® SG 24-0-8

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: CATEGORY INTERPRETATION

**NOT CLASSIFIED** 

#### **SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL IDENTITY	<u>SYNONYM</u>	<b>CAS NUMBER</b>	<b>CONCENTRATION (%)</b>
Potassium Nitrate		7757-79-1	20-30
Urea		57-13-6	50-60
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 PROTECTION**

## **EXPOSURE 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.

HAZARDOUS COMPONENT	CAS	<u>Type</u>	<u>Value</u>	<u>Form</u>
Manganese EDTA	15375-84-5	Ceiling STEL TWA	5 mg/m3 3 mg/m3 1 mg/m3	Fume Fume
Urea	57-13-6	TWA	10 mg/m3	Total particulate

## 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:
VAPOR DENSITY:
SPECIFIC GRAVITY:
SOLUBILITY (IN WATER):
Not available
Not available
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.

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.

 Potassium nitrate
 7757-79-1
 21.5

 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

Safe Drinking Water Act (SDWA)

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

<sup>\* &</sup>quot;Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

#### **SECTION 16: OTHER INFORMATION**

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

PREPARED BY: DBA EHS Consulting

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<sup>\*&</sup>quot;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).