



# THE ANDERSONS PROFESSIONAL TURF PRODUCTS FERTILIZER 16-0-8 WITH ESCALADE HERBICIDE

## SAFETY DATA SHEET

CURRENT AS OF: 7/23/24

### SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: 10002305, 10005603, 10005604, 10009682

PRODUCT NAME: THE ANDERSONS PROFESSIONAL TURF PRODUCTS FERTILIZER 16-0-8 WITH ESCALADE HERBICIDE

PRODUCT USE: Pesticide

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 SYMBOL:



SIGNAL WORD: DANGER

HAZARD STATEMENT: MAY CAUSE CANCER. MAY DAMAGE FERTILITY OR THE UNBORN CHILD. HARMFUL IF SWALLOWED. CAUSES SERIOUS EYE DAMAGE, SKIN AND RESPIRATORY IRRITATION.

#### HAZARD CLASSIFICATIONS

*CARCINOGENICITY*

*TOXIC TO REPRODUCTION*

*ACUTE TOXICITY, ORAL*

*EYE DAMAGE*

*SKIN IRRITATION*

*SPECIFIC TARGET ORGAN TOXICITY*

- *SINGLE EXPOSURE*

#### CATEGORY

1

2

4

1

2

3

#### INTERPRETATION

May cause cancer

May damage fertility or the unborn child

Toxic if swallowed

Causes serious eye damage

Causes skin irritation

Causes irritation to respiratory tract

#### PRECAUTIONARY STATEMENTS:

- *STORE LOCKED UP*
- *OBTAIN SPECIAL INSTRUCTIONS BEFORE USE*
- *DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD*
- *IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION*
- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*

**THE ANDERSONS PROFESSIONAL TURF PRODUCTS FERTILIZER 16-0-8 WITH ESCALADE HERBICIDE**

- **DO NOT BREATHE DUSTS**
- **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 AND SEEK MEDICAL ATTENTION**
- **IF EYE OR SKIN IRRITATION CONTINUES: SEEK MEDICAL ATTENTION**

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

<b>CHEMICAL IDENTITY</b>	<b>SYNONYM</b>	<b>CAS NUMBER</b>	<b>CONCENTRATION (%)</b>
Dolomitic Limestone		16389-88-1	40-50
Ureas	Mixed ureas	Mixture	30-40
Potassium Chloride	White potash	7447-40-7	10-20
Corncob Fractions		Mixture	00-10
2-Ethylhexyl Ester		1928-43-4	< 1%
1-Methylheptyl Ester of Fluroxypyr		81406-37-3	< 1%
Dicamba Acid		1918-00-9	< 1%
N-Methyl-2-Pyrrolidone		872-50-4	< 1%

**SECTION 4: FIRST AID MEASURES**

IF INHALED:	Move to fresh air and keep comfortable, seek medical attention 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 and seek medical attention.
IF SWALLOWED:	Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. Call POISON CONTROL and seek 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:	When heated to decomposition, this product will emit toxic oxides/fumes, sulfides, 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**

Avoid creating or accumulating dusts during processing, handling, storing and application. Wash hands after handling material. Do not eat, drink or smoke while handling the material. Do not breathe dusts. Not intended for human consumption. Do not store with food or feedstuffs. Store in a cool, dry, well-ventilated area away from incompatible materials.

**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>
Quartz (crystalline silica)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	6 mg/m <sup>3</sup> (NIOSH, TWA) 0.025 mg/m <sup>3</sup> (ACGIH, respirable)
Limestone	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)
2,4-D Ethylhexyl Ester	10 mg/m <sup>3</sup> (TWA)	10 mg/m <sup>3</sup> (inhalable, as sulfur)

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:	Multi-colored granular mix, with slight odor
pH:	Not applicable
MELTING POINT:	Not applicable
BOILING POINT:	Not applicable
FLASH POINT:	Not flammable
EVAPORATION RATE:	Not applicable
FLAMMABLE LIMITS:	Not applicable
VAPOR PRESSURE:	Not applicable
VAPOR DENSITY:	Not applicable
SPECIFIC GRAVITY:	Not applicable
SOLUBILITY (IN WATER):	Soluble
PARTITION COEFFICIENT:	Not applicable
AUTOIGNITION TEMP:	Not applicable
DECOMPOSITION TEMP:	Not applicable
ODOR THRESHOLD:	Not applicable
VISCOSITY:	Not applicable

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY:	Product is stable.
CONDITIONS TO AVOID:	Accumulation of dusts, heat
INCOMPATIBILITY:	Strong acids, bases, and oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic oxides/fumes, sulfides, and ammonia.

**SECTION 11: TOXICOLOGICAL INFORMATION**

HEALTH EFFECTS:	May cause cancer. May damage fertility or the unborn child. Harmful if swallowed. Causes serious eye damage, skin, and respiratory irritation.
CARCINOGENICITY:	This product contains crystalline silica (Group 1), which has been classified by IARC, NTP and ACGIH as a known human carcinogen and suspected human carcinogen respectively. This product contains 2,4-D Ethylhexyl Ester (Group 2B), which has been classified by IARC as a possibly carcinogenic to humans.

**INGREDIENT TOXICITY RANGES:**

ORAL:	> 300 mg/kg (2,4-D ethylhexyl ester) – 14,300 mg/kg (urea)
DERMAL:	> 2,000 mg/kg (dicamba)
INHALATION:	> 2.36 mg/L (dicamba) – 5.4 mg/L (2,4-D ethylhexyl ester)

**SECTION 12: ECOLOGICAL INFORMATION**

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

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**SECTION 13: DISPOSAL CONSIDERATIONS**

Use product for intended purpose where possible. Dispose of in accordance with all national, regional / state, and local regulations. Pesticide wastes are toxic. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed, labeled container for proper disposal. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law and may contaminate groundwater.

**SECTION 14: TRANSPORT INFORMATION**

This product is not regulated as a transportation hazard.

**SECTION 15: REGULATORY INFORMATION**

**US FEDERAL REGULATIONS**

- SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- SARA 304: This material does not contain any components with a section 304 EHS RQ.
- SARA 311 / 312: Acute Health Hazard, Chronic Health Hazard
- SARA 313: The following components are subject to reporting levels established by SARA Title III, Section 313:

CHEMICAL NAME	CAS No.	% BY WEIGHT
2,4-D 2-ethylhexyl ester	1928-43-4	
N-Methyl-2-Pyrrolidone	872-50-4	
Dicamba	1918-00-9	

CERCLA (RQ):	CHEMICAL NAME	CAS No.	REPORTABLE QTY (lbs)
	2,4-D 2-Ethylhexyl Ester	1928-43-4	100 lbs
	Dicamba	1918-00-9	1000 lbs

<b>TSCA</b>			
Chemical Name	CAS No.	US TSCA Inventory Listing	US TSCA Inactive / Active Designation
Urea	57-13-6	Present	Active
Potassium Chloride	7447-40-7	Present	Active
Limestone	1317-65-3	Present	Active
2,4-D 2-Ethylhexyl Ester	1928-43-4	Not Present	Inactive
Dicamba	1918-00-9	Not Present	Inactive
N-Methyl-2-Pyrrolidone	872-50-4	Present	Active
1-Methylheptyl Ester of Fluroxypyr	81406-37-3	Not Present	Inactive

**US STATE REGULATIONS**

RIGHT-TO-KNOW:	CHEMICAL NAME	CAS No.	States
	2,4-D 2-Ethylhexyl Ester	1928-43-4	NJ
	Dicamba	1918-00-9	MA, NJ, PA
	N-Methyl-2-Pyrrolidone	872-50-4	MA, NJ, PA

CALIFORNIA PROP 65: WARNING: This product contains a chemical known to the State of California to cause cancer or reproductive harm (crystalline silica, n-methyl-2-pyrrolidone).

**SECTION 16: OTHER INFORMATION**

NFPA RATINGS:       HEALTH               3  
                          FLAMMABILITY       0  
                          INSTABILITY         0

HMIS RATINGS:       HEALTH               3  
                          FLAMMABILITY       0  
                          INSTABILITY         0

ACTIVE INGREDIENT LEVEL (%):   0.865 as 2-Ethylhexyl Ester  
  0.206 as 1-Methylheptyl Ester of Fluroxypyr  
  0.072 as Dicamba Acid

**PREPARATION & VERSION INFORMATION**

Version 001 – SDS originally created 07/01/2024 Prepared By DBA EHS Consulting

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