



**THE ANDERSONS
SAFETY DATA SHEET**

DATE PREPARED: 09/23/20

CURRENT AS OF: 5/18/22

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: 10004905, 10004906

PRODUCT NAME: ANDERSONS GOLF PRODUCTS 23-3-5 FERTILIZER PLUS FUNGICIDE VIII

PRODUCT USE: Fertilizer/Fungicide

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 EYE, SKIN AND RESPIRATORY IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. HARMFUL IF INHALED. SUSPECTED OF CAUSING CANCER AND GENETIC DEFECTS.

HAZARD CLASSIFICATIONS:

ACUTE TOXICITY, INHALATION
EYE IRRITATION
SKIN IRRITATION
SENSITIZATION, SKIN
GERM CELL MUTAGENICITY
CARCINOGENICITY

CATEGORY

4
2B
2
1
2
2

INTERPRETATION

Harmful if inhaled
Causes eye irritation
Causes skin irritation
May cause an allergic skin reaction
Suspected of causing genetic defects
Suspected of causing cancer

PRECAUTIONARY STATEMENTS:

- *OBTAIN SPECIAL INSTRUCTIONS BEFORE USE*
- *DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD*
- *WEAR PROTECTIVE CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *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, CALL POISON CONTROL AND SEEK MEDICAL ATTENTION*
- *IF IN EYES OR ON SKIN: IMMEDIATELY RINSE AREA WITH PLENTY OF WATER, REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO SO AND SEEK MEDICAL ATTENTION.*
- *STORE LOCKED UP*

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Ammonium Dihydrogen Phosphate	MAP	7722-76-1	1-10
Ureas	Mixed ureas	Mixture	30-40
Potassium Sulfate		7778-80-5	05-15
Iprodione		36734-19-7	1.02
Thiophanate-methyl		23564-05-8	2.05

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. Seek medical attention if irritation persists.
IF SWALLOWED:	Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. Seek medical attention if unwell.
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, 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

ANDERSONS GOLF PRODUCTS 23-3-5 FERTILIZER PLUS FUNGICIDE VIII**SECTION 7: HANDLING AND STORAGE**

Avoid creating or accumulating dusts during processing 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. Store locked up in a cool, dry, well ventilated area away from incompatible materials.

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.

HAZARDOUS COMPONENTOSHA PELACGIH TLV

Dry Fertilizer

Not available

Not available

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:	Granular
pH:	Not applicable
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:	~0.777
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:

Heat, accumulation of dusts

INCOMPATIBILITY:

Strong acids, bases, oxidizers, soft metals and alloys.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic oxides, sulfides and ammonia

ANDERSONS GOLF PRODUCTS 23-3-5 FERTILIZER PLUS FUNGICIDE VIII**SECTION 11: TOXICOLOGICAL INFORMATION**

HEALTH EFFECTS: Causes eye, skin and respiratory irritation. May cause an allergic skin reaction. Harmful if inhaled. Suspected of causing cancer and genetic defects.

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

CA PROP 65: This product contains a chemical known to the state of California to cause genetic defects in males and females (Thiophanate-methyl) and causing cancer (Iprodione).

INGREDIENT TOXICITY RANGES:

DERMAL: > 155 mg/kg (ferrous sulfate) – 2,000 mg/kg (thiophanate-methyl)

ORAL: > 3,500 mg/kg (iprodione) – 14,300 mg/kg (urea)

INHALATION: > 1.7 mg/L (thiophanate-methyl, 4hr) – 5.16 mg/L (iprodione, 4hr)

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. Excessive nutrients in waterways may cause algal blooms that may be detrimental to aquatic life.

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

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA 311/312:	ACUTE, CHRONIC
SARA 313:	Manganese Compounds Thiophanate-methyl
REPORTABLE QUANTITY:	Manganese Compounds (No RQ) Thiophanate-methyl (10 lbs.)
RCRA:	Code U240 (Thiophanate-methyl)
RIGHT-TO-KNOW:	Manganese Compounds (CA, MA, MN, NJ, PA) Manganous Sulfate (CA, MN, NJ, PA) Iprodione (PA) Thiophanate-methyl (NJ, PA)

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SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	2
	FLAMMABILITY	0
	INSTABILITY	0

HMIS RATINGS:	HEALTH	2
	FLAMMABILITY	0
	INSTABILITY	0

ACTIVE INGREDIENT LEVEL (%): 1.020 as iprodione
2.050 as thiophanate-methyl

PREPARED BY: DBA EHS Consulting

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