



THE ANDERSONS  
SAFETY DATA SHEET

DATE PREPARED: 10/27/16

CURRENT AS OF: 11/2/16

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: AGC8569.3

PRODUCT NAME: Andersons Golf Products 23-3-5 Fertilizer Plus Fungicide VIII

PRODUCT USE: Fertilizer/Fungicide

MFR INFO: The Andersons Lawn Products  
PO Box 119  
Maumee, Ohio 43537

FOR EMERGENCY: (800) 757-8951

FOR INFORMATION: (419) 893-5050

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:



WARNING

HARMFUL IF INHALED. MAY CAUSE AN ALLERGIC SKIN REACTION. MAY CAUSE EYE AND SKIN IRRITATION. SUSPECTED OF CAUSING CANCER, GENETIC AND FERTILITY DEFECTS. MAY CAUSE DAMAGE TO ORGANS THROUGH SINGLE AND REPEATED EXPOSURE.

HAZARD CLASSIFICATIONS:

EYE IRRITATION

SKIN IRRITATION

SENSITIZATION – SKIN

ACUTE TOXICITY, INHALATION

GERM CELL MUTAGENICITY

CARCINOGENICITY

REPRODUCTIVE TOXICITY

SPECIFIC TARGET ORGAN TOXICITY

- SINGLE EXPOSURE

- REPEATED EXPOSURE

CATEGORY

2B

2

2

4

2

2

2

2

INTERPRETATION

Causes eye irritation

Causes skin irritation

May cause an allergic skin reaction

Harmful if inhaled

Suspected of causing genetic defects

Suspected of causing cancer

Suspected of damaging fertility or the unborn child

May cause damage to organs

PRECAUTIONARY STATEMENTS:

- DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD
- STORE LOCKED UP
- IF EXPOSED OR CONCERNED SEEK MEDICAL ATTENTION/ADVICE
- WEAR PROTECTIVE GLOVES AND CLOTHING
- REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE
- AVOID BREATHING DUSTS
- USE ONLY OUTDOORS IN A WELL-VENTILATED AREA
- SEEK MEDICAL ATTENTION IF YOU FEEL UNWELL
- WASH THOROUGHLY AFTER HANDLING
- 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>
Methylene Ureas		Mixture	30-35%
Vermiculite		1318-00-9	10-15%
Biodac Carrier		N/A	10-15%
Potassium Sulfate		7778-80-5	5-15%
Diammonium Phosphate		7783-28-0	5-10%
Thiophanate-methyl	Cercobin, Mildothane	23564-05-8	0-5%
Iprodione	Rovral, IPCDPH	36734-19-7	0-5%
Butyrolactone Solvent		Mixture	0-5%

**SECTION 4: FIRST AID MEASURES**

IF INHALED:	Move to fresh air and keep comfortable, contact physician and prepare to transport to hospital if required.
IF ON SKIN:	Immediately wash affected areas with soap and water while removing and isolating all contaminated clothing. Seek medical attention if irritation persists.
IF IN THE EYES:	Immediately flush with water for 15-20 minutes then transport to hospital even if no symptoms.
IF SWALLOWED:	DO NOT INDUCE VOMITTING. Give 1 or 2 glasses of water, immediately contact physician and prepare for transport.
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:	Do not create dust. 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. Avoid contact with skin and eyes. Avoid formation of dust. Not intended for human consumption. 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>
Potassium Sulfate	15 mg/m3 (total) 5 mg/m3 (respirable)	10 mg/m3 (inhalable) 3 mg/m3 (respirable)
Methylene Ureas	15 mg/m3 (total) 5 mg/m3 (respirable)	10 mg/m3 (inhalable) 3 mg/m3 (respirable)

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved dust respirator
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
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:	Not available
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:	Excessive heat, ignition sources
INCOMPATIBILITY:	Strong acids, bases oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen, ammonia

**SECTION 11: TOXICOLOGICAL INFORMATION**

HEALTH EFFECTS: Suspected of causing cancer, genetic and fertility defects. May cause an allergic skin reaction. May cause skin and eye irritation. May cause damage to organs through single and repeated exposure.

CARCINOGENICITY: Thiophanate-methyl and Iprodione are classified as "Likely to cause cancer".

TOXICITY RANGE: INHALATION: 1.7mg/l (thiophanate-methyl)

ORAL: 1,540 mg/kg (butyolactone solvent)

**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.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Use product for intended purpose where possible. Do not generate dust. Dispose of in accordance with all national, regional / state, and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

UN-NUMBER: UN3077

PROPER SHIPPING NAME: Environmentally Hazardous Substance, Liquid, N.O.S.

TRANSPORT HAZARD CLASS: 9 Miscellaneous

PACKING GROUP: III

**SECTION 15: REGULATORY INFORMATION**

SARA 311/312: Acute, Chronic

SARA 313 REPORTABLE QUANTITY: Thiophanate-methyl (10lb)

RIGHT-TO-KNOW: Thiophanate-methyl (NJ, PA)

CA PROP-65: WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. (Thiophanate-methyl) (Iprodione)

DRINKING WATER GUIDELINES: 280 ug/l (FL) (iprodione)

**SECTION 16: OTHER INFORMATION**

NFPA RATINGS:       HEALTH               2  
                          FLAMMABILITY       0  
                          INSTABILITY         0

HMIS RATINGS:       HEALTH               2  
                          FLAMMABILITY       0  
                          INSTABILITY         0

ACTIVE INGREDIENT: 0-5% as Thiophanate-methyl  
                          0-5% as Iprodione

SDS NO:               5100

PREPARED BY:         DBA EHS Consulting

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