



**THE ANDERSONS
SAFETY DATA SHEET**

DATE PREPARED: 11/23/16

CURRENT AS OF: 11/26/18

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: AGC8510.3, AGC8510.4, AGC8510.1

PRODUCT NAME: Andersons Golf Products Fungicide X

PRODUCT USE: Fertilizer/Fungicide

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

FOR EMERGENCY: (800) 757-8951

FOR INFORMATION: (419) 893-5050

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:



WARNING

**HARMFUL IF INHALED.
CAUSES EYE IRRITATION.
SUSPECTED OF CAUSING CANCER AND
FERTILITY DEFECTS.
MAY CAUSE DAMAGE TO ORGANS THROUGH
SINGLE AND REPEATED EXPOSURE.**

HAZARD CLASSIFICATIONS:

EYE IRRITATION

ACUTE TOXICITY, ORAL

CARCINOGENICITY

REPRODUCTIVE TOXICITY

SPECIFIC TARGET ORGAN TOXICITY

- *SINGLE EXPOSURE*

REPEATED EXPOSURE

CATEGORY

2B

4

2

2

2

2

INTERPRETATION

Causes eye irritation

Harmful if swallowed

Suspected of causing cancer

Suspected of damaging fertility or the unborn child

May cause damage to central nervous system

May cause damage to hematopoietic system

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>
Cellulose	Biodac	Not Available	93-97
Butyrolactone Solvent		Mixture	1-5
Iprodione	Rovral, IPCDPH	36734-19-7	1-5

SECTION 4: FIRST AID MEASURES

IF INHALED:	Move to fresh air and keep comfortable. Call POISON CONTROL and seek medical attention.
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. 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 and hydrogen chloride.
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 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.

<u>HAZARDOUS COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Cellulose	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved dust/pesticide 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:	Grey granular with slightly musty odor
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:	~0.737
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:	Toxic oxides and hydrogen chloride

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:	Suspected of causing cancer and fertility defects. May cause eye irritation. May cause damage to central nervous system and hematopoietic systems through single and repeated exposure.
CARCINOGENICITY:	Iprodione is classified as "Likely to cause cancer".

INGREDIENT TOXICITY RANGES:

ORAL: 1,540 mg/kg (butryolactone)
DERMAL: > 2,000 mg/kg (iprodione)
INHALATION: 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.

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

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA 311/312: Acute, Chronic
CA PROP-65: WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. (Iprodione)
DRINKING WATER GUIDELINES: 280 ug/l (FL) (iprodione)

SECTION 16: OTHER INFORMATION

NFPA RATINGS: HEALTH 1
FLAMMABILITY 0
INSTABILITY 0
HMIS RATINGS: HEALTH 1
FLAMMABILITY 0
INSTABILITY 0
ACTIVE INGREDIENT LEVEL (%): 1.3 as iprodione
SDS NO: 1111
PREPARED BY: DBA EHS Consulting

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