



**THE ANDERSONS  
SAFETY DATA SHEET**

DATE PREPARED: 02/13/20

CURRENT AS OF: 5/16/22

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT CODE: 10005912

PRODUCT NAME: VERSAGARD™ FUNGICIDE G

PRODUCT USE: 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:



**DANGER**

**MAY CAUSE CANCER. CAUSES EYE AND SKIN IRRITATION. MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR.**

HAZARD CLASSIFICATIONS:

*EYE IRRITATION*  
*SKIN IRRITATION*  
*CARCINOGENICITY*  
*COMBUSTIBLE DUST*

CATEGORY

2B  
2  
1

INTERPRETATION

Causes eye irritation  
Causes skin irritation  
May cause cancer  
May form combustible dust concentrations in air.

PRECAUTIONARY STATEMENTS:

- *OBTAIN SPECIAL INSTRUCTIONS BEFORE USE*
- *DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.*
- *STORE LOCKED UP*
- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *DO NOT BREATHE DUSTS*
- *USE ONLY OUTDOORS OR IN WELL-VENTILATED AREA*
- *IN CASE OF INADEQUATE VENTILATION WEAR RESPIRATORY PROTECTION*
- *IF EXPOSED OR CONCERNED: CALL POISON CONTROL OR SEEK MEDICAL ATTENTION*
- *WASH THOROUGHLY AFTER HANDLING*
- *DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT*
- *IF INHALED: REMOVE TO FRESH AND KEEP COMFORTABLE. IMMEDIATELY CALL POISON CONTROL AND SEEK MEDICAL ATTENTION.*
- *IF SWALLOWED: RINSE MOUTH, CALL POISON CONTROL AND SEEK MEDICAL ATTENTION*
- *IF IN EYES OR ON SKIN: RINSE AREA WITH PLENTY OF WATER, REMOVE CONTACT LENSES*

- *IF EYE OR SKIN IRRITATION CONTINUES: SEEK MEDICAL ATTENTION*

**HAZARDS NOT CLASSIFIED:**

- *MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR DURING PROCESSING*

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

<b><u>CHEMICAL IDENTITY</u></b>	<b><u>SYNONYM</u></b>	<b><u>CAS NUMBER</u></b>	<b><u>CONCENTRATION (%)</u></b>
Dolomitic Limestone		16389-88-1	50-60
Wood Particles		Mixture	15-25
Sodium Carboxymethylcellulose		9004-32-4	1-10
Chlorothalonil	Daconil	1897-45-6	3-5%
Triton-X	Octoxinol	9063-89-2	1%
Butyrolactone	1,4-Butanolide	96-48-0	<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. 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/fumes, chlorides and cyanides.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA). Avoid generating dusts during fire suppression through the use of strong streams of fluid, chemical or gases as dust may become dispersed in air at combustible concentrations.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>SPILL / RELEASE PROCEDURES:</b>	Wear PPE accordingly to mitigate hazardous of exposure during cleanup. Do not create dust. Eliminate all sources of ignition and keep unauthorized personnel away. Dust suppression should be achieved before, and maintained during, cleanup. Contain material and place in containers for disposal. Dispose of according to Federal, State and Local regulations.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Prevent spilled material from entering storm drains or water bodies. If material enters a waterway, notify the appropriate authorities.
<b>PROTECTIVE EQUIPMENT:</b>	Dust collection, handling, storage and waste equipment should be engineered and maintained to prevent the escape of dusts. Explosion relief vents are recommended for dust collection, handling, storage and waste equipment. Use only correctly classified electrical 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. Keep away from all sources of heat and ignition (sparks, flame, smoking). Good housekeeping practices should be maintained to remove dust accumulation from surfaces. Ensure all transfer and mixing equipment is bonded/grounded to eliminate static discharge. This material will burn if heated, and concentrations in air may become combustible and explode. Do not eat, drink or smoke while handling the material. Do not get in eyes or on skin. Do not breathe dusts. May form combustible dust during processing.

**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.

<b><u>HAZARDOUS COMPONENT</u></b>	<b><u>OSHA PEL</u></b>	<b><u>ACGIH TLV</u></b>
Wood Dust	5 mg/m <sup>3</sup> (respirable) 15mg/m <sup>3</sup> (total)	1 mg/m <sup>3</sup> (inhalable)
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)

**PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:**

<b>RESPIRATORY PROTECTION:</b>	NIOSH approved respirator, if required
<b>EYE PROTECTION:</b>	Safety glasses with sideshields, goggles, or faceshield
<b>SKIN PROTECTION:</b>	Appropriate for the task. Impervious and compatible with material
<b>VENTILATION:</b>	Use with adequate ventilation

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR:	Off white to tan granule with slightly musty
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:	~0.508
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:	Accumulation of dusts, heat, sparks, ignition sources.
INCOMPATIBILITY:	Oxidizers, inorganic acids/bases, alcohols, amines and drying oils
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic oxides/fumes, chlorides and cyanides.

**SECTION 11: TOXICOLOGICAL INFORMATION**

HEALTH EFFECTS:	May be fatal if inhaled. Suspected of causing cancer. Causes serious eye damage. May cause an allergic skin reaction.
CARCINOGENICITY:	Chlorothalonil is classified as possibly carcinogenic to humans (Group 2B). Wood dust is classified as Carcinogenic to humans (Group 1). Crystalline silica is classified as a carcinogenic to humans (Group 1).

**INGREDIENT TOXICITY RANGES:**

ORAL:	> 242 mg/kg (chlorothalonil) – 3,000 mg/kg (citric acid)
SKIN:	> 2,500 mg/kg (chlorothalonil) – 5,640 mg/kg (butyrolactone)
INHALATION:	> 0.1 mg/L (chlorothalonil, 4hr) – 5,800 mg/m <sup>3</sup> (propiconazole, 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. Dispose of in accordance with all national, regional / state, and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

DOT:	This product is not regulated as a transportation hazard.
IMDG/IATA:	UN3077, Class 9 (Miscellaneous Dangerous Goods)
PACKING GROUP:	III
SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Contains 3.88% Chlorothalonil)

**SECTION 15: REGULATORY INFORMATION**

SARA 311/312:	ACUTE, CHRONIC
SARA 313:	Chlorothalonil (3.88%)
RIGHT-TO-KNOW:	Butyrolactone (PA, NJ)
CA PROP-65:	WARNING: This product contains a chemical known to the State of California to cause cancer or reproductive harm (chlorothalonil, wood dust and crystalline silica)

**EPA STATEMENT**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA PESTICIDE LABEL:**

Corrosive. Causes severe eye damage. May be fatal if inhaled; do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Chlorothalonil may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation, and redness or rash on exposed skin areas. Persons having allergic reaction should contact a physician. Do not get in eyes or on clothing. Harmful if swallowed or absorbed through the skin. Wear any NIOSH-approved respirator with an N, R, P, or HE filter. Wear goggles or a face shield, chemical-resistant gloves such as nitrile, butyl rubber or natural rubber, long-sleeved shirt and long pants when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**SECTION 16: OTHER INFORMATION**

NFPA RATINGS:	HEALTH	2
	FLAMMABILITY	0
	INSTABILITY	0
HMIS RATINGS:	HEALTH	2
	FLAMMABILITY	0
	INSTABILITY	0
ACTIVE INGREDIENT LEVEL (%):	3.880 as chlorothalonil	
	0.620 as propiconazole	
	0.160 as fludioxonil	
	1.030 as triton x-100	
	0.660 as butyrolactone	

PREPARED BY: DBA EHS Consulting

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