



**THE ANDERSONS
SAFETY DATA SHEET**

DATE PREPARED: 11/23/16

CURRENT AS OF: 11/28/16

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: APT8CR5.40

PRODUCT NAME: Andersons Professional Turf Products 8% Granular Insecticide with Carbaryl

PRODUCT USE: Fertilizer

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 OR SWALLOWED.
SUSPECTED OF CAUSING CANCER.**



HAZARD CLASSIFICATIONS:

CARCINOGENICITY
ACUTE TOXICITY, INHALATION
ACUTE TOXICITY, ORAL

CATEGORY

2
4
4

INTERPRETATION

Suspected of causing cancer
Harmful if inhaled
Harmful if swallowed

PRECAUTIONARY STATEMENTS:

- *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*
- *STORE LOCKED UP*
- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *DO NOT BREATHE DUSTS*
- *WASH THOROUGHLY AFTER HANDLING*
- *IF SWALLOWED AND UNWELL: 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*

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Proprietary carrier	DG Lite	Not listed	85-90
Carbaryl	Sevin	63-25-2	5-10
Polybutene	Indopol	9003-29-6	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:	Wash affected areas with soap and water while removing and isolating all contaminated clothing. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
IF IN THE EYES:	Immediately flush with water for 15-20 minutes and seek medical attention.
IF SWALLOWED:	Rinse mouth. DO NOT INDUCE VOMITTING 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. Containers may explode when heated.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES:	Remove heat and sources of ignition. 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. Do not get in eyes or on skin. Do not breathe dusts. Not intended for human consumption. Store in a cool, dry, well ventilated area away from incompatible materials and sources of heat.

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>
DG Lite carrier	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Carbaryl	Not Available	5 mg/m ³

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved pesticide respirator, if required
EYE PROTECTION:	Safety glasses with sideshields, goggles, or faceshield
SKIN PROTECTION:	Long sleeves, chemical-resistant (PVC) gloves recommended
VENTILATION:	Use with adequate ventilation

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Tan granular mix, with slight 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:	~0.677
SOLUBILITY (IN WATER):	Relatively insoluble
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, open flame, incompatible materials
INCOMPATIBILITY:	Strong oxidizers, organic solvents
HAZARDOUS DECOMPOSITION PRODUCTS:	NO _x , CO _x , methyl isocyanate

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: Effects of contact or inhalation may be delayed. Suspected of damaging fertility or the unborn child. Causes damage to blood and liver through prolonged or repeated exposure. May cause eye and skin irritation. Ingestion may result in abdominal pain, nausea, diarrhea, blurred vision, sweating, salivation, muscle twitching, and tremor. Signs and symptoms include headache, dizziness, incoordination, muscle twitching, tremors, nausea, diarrhea, abdominal cramps, sweating, pupil constriction, blurred vision, salivation, tearing, tightness in the chest, excessive urination, and convulsions. All symptoms are dose-dependent, rapid in onset, and reversible in time.

CARCINOGENICITY: Carbaryl is classified as "Not Classifiable" (Group D). Acute and chronic exposure may cause cholinesterase inhibition. Product may contain trace amounts of wood dust and crystalline silica, which are listed by IARC as potential human carcinogens.

INGREDIENT TOXICITY RANGES:

ORAL: 187 mg/kg (carbaryl) – 34,600 mg/kg (polybutene)

DERMAL: 4,000 mg/kg (carbaryl) - > 10,250 mg/kg (polybutene)

INHALATION: 2.5 mg/L (4 hr) (carbaryl) – 4,820 mg/m³ (4 hr) (polybutene)

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 dusts. 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
SARA 313:	Carbaryl
REPORTABLE QUANTITY:	Carbaryl (100 lbs)
RIGHT-TO-KNOW:	Carbaryl (CA, CT, IL, MA, MN, NJ, PA, RI)
CA PROP-65:	WARNING: This product contains a chemical known to the State of California to cause cancer or reproductive harm (Carbaryl)
RCRA:	Code U279

SECTION 16: OTHER INFORMATION

NFPA RATINGS: HEALTH 2
 FLAMMABILITY 0
 INSTABILITY 0

HMIS RATINGS: HEALTH 2
 FLAMMABILITY 0
 INSTABILITY 0

ACTIVE INGREDIENT LEVEL (%): 8.0 as carbaryl

SDS NO: 1010A

PREPARED BY: DBA EHS Consulting

The information and data contained herein is based upon facts considered to be correct as of the date hereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will The Andersons be responsible for damages of any nature whatsoever resulting from the use or reliance upon this information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which this information refers.