



**THE ANDERSONS
SAFETY DATA SHEET**

DATE PREPARED: 03/06/05

CURRENT AS OF: 7/8/15

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: APT8CR5

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

PRODUCT USE: Pesticide

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

FOR EMERGENCY: (800) 757-8951

FOR INFORMATION: (419) 891-2957

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:



DANGER

**TOXIC IF SWALLOWED
MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE EYE IRRITATION
MAY CAUSE RESPIRATORY IRRITATION**



HAZARD CLASSIFICATIONS:

ACUTE TOXICITY

SKIN IRRITATION

EYE IRRITATION

TARGET ORGAN SYSTEMIC TOXICITY

CATEGORY

3

3

2B

3

INTERPRETATION

Moderate to High

Mild Skin Irritation Possible

Promptly Reversible Eye Irritation Possible

Transient Respiratory Irritation Possible

PRECAUTIONARY STATEMENTS:

- KEEP OUT OF REACH OF CHILDREN
- READ LABEL BEFORE USE
- IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL ON HAND
- CALL A POISON CENTER / PHYSICIAN IF UNWELL
- IF ON SKIN, WASH WITH PLENTY OF SOAP AND WATER
- IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE
- IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES
- IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE
- DO NOT EAT, DRINK, OR SMOKE WHEN USING PRODUCT
- WASH HANDS AFTER HANDLING
- USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS
- AVOID BREATHING DUST
- IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING
- STORE CONTAINER TIGHTLY CLOSED, LOCKED UP
- DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS

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	88.8
Carbaryl	Sevin	63-25-2	8.5
Polybutene	Indopol	9003-29-6	2.7

SECTION 4: FIRST AID MEASURES

IF INHALED:	Move victim to fresh air. Seek medical attention if irritation persists.
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 at least 20 minutes. Seek medical attention if irritation persists.
IF SWALLOWED:	If victim is alert and not convulsing, give one glass of water to dilute material, but DO NOT induce vomiting. Seek immediate medical attention.
SPECIAL TREATMENT:	Atropine by IV administration is preferable antidote. Oximes may or may not be therapeutic, but is recommended they not be used in place of atropine. Suggest serum / RBC cholinesterase determination. Treat symptomatically.
HEALTH HAZARDS:	See Section 11

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:	Use media suitable for surrounding fire. No special media required.
SPECIFIC FIRE HAZARDS:	Decomposition products may be toxic. Carbaryl may release methyl isocyanate when heated to extremes.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES: Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.

ENVIRONMENTAL PRECAUTIONS: Prevent spilled material from entering storm drains or water bodies.

PROTECTIVE EQUIPMENT: See Section 8

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry, well ventilated area. Do not store above 120° F.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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	5 mg/m ³	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 recommended

SKIN PROTECTION: Long sleeves, chemical-resistant (PVC) gloves recommended

VENTILATION: Local exhaust ventilation recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Tan granular mix, with slight odor

pH: Not available

MELTING POINT: Not available

BOILING POINT: Not applicable

FLASH POINT: Not flammable

EVAPORATION RATE: Not applicable

FLAMMABLE LIMITS: Not applicable

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

SPECIFIC GRAVITY: Not available

SOLUBILITY (IN WATER): Relatively insoluble

PARTITION COEFFICIENT: Not applicable

AUTOIGNITION TEMP: Not available

DECOMPOSITION TEMP: Not available

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable.

CONDITIONS TO AVOID: Excessive heat (greater than 200°F)

INCOMPATIBILITY: Strong acids, alkalis

HAZARDOUS DECOMPOSITION PRODUCTS: NO_x, CO_x, methyl isocyanate

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: May be irritating to the skin, nose and respiratory tract, and may cause sore throat, coughing and shortness of breath. Product may also be irritating to the eyes, causing redness and watering. Ingestion may result in abdominal pain, nausea, diarrhea, blurred vision, sweating, salivation, muscle twitching, and tremor. Excessive exposures may produce effects associated with cholinesterase inhibition. 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: None of the ingredients are known / listed carcinogens. However, 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: > 10,250 mg/kg (polybutene)

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

SECTION 12: ECOLOGICAL INFORMATION

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

SECTION 16: OTHER INFORMATION

NFPA RATINGS: HEALTH 2
 FLAMMABILITY 0
 INSTABILITY 0

HMIS RATINGS: HEALTH 2
 FLAMMABILITY 0
 PHYSICAL HAZARD 0

ACTIVE INGREDIENT LEVEL (%): 8.0 as carbaryl

MSDS ID NO: 1010A

PREPARED BY: SS

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