

# Cessco, Inc.

# Material Safety Data Sheet

**CESSCO DDVP 20% AEROSOL INSECTICIDE**

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Issue Date: 07/13/2009

## SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Cessco, Inc.  
3609-A River Road  
Johns Island, SC 29455

**COMPANY CONTACT:** William L. Ayer  
**TELEPHONE NUMBER:** (800) 476-3666

EMERGENCY TELEPHONE NUMBER  
CHEMTREC 1-800-424-9300

**PRODUCT NAME:** CESSCO DDVP 20% AEROSOL INSECTICIDE  
**CHEMICAL NAME:** 2,2 Dichloro-vinyl Dimethyl Phosphate, Mixture  
**SYNONYMS:** Dichlorvos, Vapona  
**EPA REGISTRY NUMBER:** 6959-98  
**CHEMICAL FAMILY:** Organo Phosphate Insecticide

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT NAME</u>	<u>EXPOSURE LIMITS</u>	<u>PERCENT BY WEIGHT</u>
Dichlorvos OSHA PEL = N/D ACGIH TLV = 100 ppm, 1mg/m3 CAS NUMBER: 62-73-7	None Established	= 20.00
Alkylated Aromatic OSHA PEL = N/D ACGIH TLV = 350m CAS NUMBER: 717-74-8	None Established	= 45.00
Tetrafluoroethane (134-A) OSHA PEL = N/D ACGIH TLV = 1,000 ppm CAS NUMBER: 811-97-2	None Established	= 35.00

NOTE: N/D = NO DATA

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Pursuant to proposition 65: CERTAIN RAW MATERIALS USED IN MAKING THIS PRODUCT MAY CONTAIN SMALL AMOUNTS OF MATERIALS AS IMPURITIES WHICH ARE REGULATED BY PROPOSITION 65. (SEE SECTION 7).  
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## SECTION 3. HEALTH HAZARDS

THRESHHOLD LIMIT VALUE (TLV)  
1.0 MG/M3 (TWA)

PRIMARY ROUTE(S) OF ENTRY  
Inhalation, Skin, Eyes, Ingestion

**SECTION 3. HEALTH HAZARDS—cont.**

DANGER! Poisonous if swallowed, inhaled or absorbed through skin or eyes. Rapidly absorbed through skin. Repeated inhalation or skin contact may, without symptoms, progressively increase susceptibility to organophosphate insecticide poisoning.

**HEALTH EFFECTS**

Fatal if swallowed, inhaled or absorbed through the skin or eyes. Do not get in eyes, on skin or clothing. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Do not breathe vapor of spray mist. Rapidly absorbed through skin.

**EFFECTS OF OVEREXPOSURE**

Acute cholinesterase depression may be evidenced by headache, nausea, vomiting, diarrhea, abdominal cramps, excessive sweating, salivation and tearing, constricted pupils, blurred vision, tightness in chest, weakness, muscle twitching and confusion: in extreme cases, unconsciousness, convulsions and severe respiratory depression may occur.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Preexisting conditions which lower cholinesterase levels increase vulnerability to cholinesterase depression. These include: (for plasma) genetic cholinesterase deficiency, advanced liver disease, chronic alcoholism, malnutrition, dermatomyositis, existing toxicity from exposure to carbon disulfide, benzalkonium salts, organic mercury compounds, ciguatoxins or solanines, and (for RBC) hemolytic anemias.

**SUPPLEMENTAL INFORMATION****CARCINOGENICITY**

EPA has reclassified Dichlorvos (DDVP) as being in Category C, a possible carcinogen.

It has not been listed by OSHA, ACGIH, NTP, or IARC.

CARE SHOULD BE EXERCISED IN HANDLING DICHLORVOS (DDVP) AND ITS FORMULATIONS.

O.S.H.A. Exposure Limit: 1.0 mg/m<sup>3</sup> (TWA)

A.C.G.I.H. Threshold Limit: 0.90 mg/m<sup>3</sup> (TWA)

**TOXICITY**

There have been many studies of the toxicological properties of Dichlorvos (DDVP). The following values are typical results:

DERMAL, LD 50, (rabbit),	205mg/kg
ORAL, LD 50, (rat),	56mg/kg
INHALATION, LD 50, (rat),	140 mg/m <sup>3</sup> (1 hr, whole body)

**SECTION 4. EMERGENCY AND FIRST AID MEASURES**

CONTAINS AN ORGANOPHOSPHATE THAT INHIBITS CHOLINESTERASE.

**EYES**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a Poison Control Center or doctor for further treatment advice.

**SKIN OR CLOTHING**

Take off contaminated clothing. Rinse skin immediately with water for 15-20 minutes. Call a Poison Control Center or doctor for further treatment advice.

**SECTION 4. EMERGENCY AND FIRST AID MEASURES—cont.**

**INHALATION**

Move victim to fresh air immediately. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a Poison Control Center or doctor for further treatment advice.

**INGESTION**

Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Contains petroleum distillate—vomiting may cause aspiration pneumonia. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN**

SOLVENT PREVENTS ASPIRATION HAZARD. GASTRIC LAVAGE IS INDICATED IF MATERIAL WAS TAKEN INTERNALLY.

**POISONING SYMPTOMS:** Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pin-point pupils, salivation, sweating, vomiting, diarrhea and abdominal cramps.

**TREATMENT:** Atropine is the specific antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, atropine sulfate should be injected at 10-minute intervals, in doses of 1 to 2 milligrams until complete atropinization has occurred.

Morphine is contraindicated. Clear chest by postural drainage. Observe patient continuously for 48 hours. Repeat exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase regeneration has been allowed as determined by blood test.

**SECTION 5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

**FLASH POINT:** N/D

**FLAMMABILITY:** Non-flammable

**FLAMMABLE LIMITS:** N/D

**AUTO-IGNITION TEMP.:** N/D

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Cylinders can explode when exposed to high heat or fire.

**EXTINGUISHING MEDIA**

Halon, Dry Chemical, Foam

**FIRE FIGHTING INSTRUCTIONS**

Keep cylinders cool.

**SECTION 6. SPILL OR LEAK RESPONSE INFORMATION**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Soak up with absorbent material. Ventilate area before re-entry.

**SECTION 7. HANDLING AND STORAGE**

**HANDLING AND STORAGE PRECAUTIONS**

Keep cylinders below 130° F.

**OTHER PRECAUTIONS**

Placard must be placed outside of treated area showing hours of application and time of re-entry.

This product contains ingredients identified by California as carcinogens.

Reportable Quantity: Calculated to be 50 Lbs. (10 Lbs. Technical DDVP)

**SECTION 8. EXPOSURE CONTROLS/PERSONNEL PROTECTION**

**EYE PROTECTION**

Chemical splash goggles

**PROTECTIVE CLOTHING**

Protective suit of one or two pieces, covering all parts of the body except head, hands, and feet with chemical-resistant shoes.

**GLOVES**

Neoprene chemical-resistant gloves

**VENTILATION**

Ventilate before re-entry.

**RESPIRATORY PROTECTION**

Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSGA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic-vapor (OV) cartridge or canister with any R, P, or HE prefilter.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE**

Compressed Gas

**ODOR**

Compressed Gas

**BASIC PHYSICAL PROPERTIES**

**PHYSICAL STATE:**

Liquid

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):**

1.4 @ 25 F

**SPECIFIC GRAVITY OF VAPOR, at 1 atm (Air = 1)**

N/D

**SOLUBILITY (H<sub>2</sub>O):**

Not Soluble

**VISCOSITY OF LIQUID, cST at Deg. F.**

N/D

**VAPOR PRESSURE (mmhg at Deg. F.):**

2700

**VAPOR DENSITY (air = 1):**

N/D

**EVAPORATION RATE (BUTYL ACETATE = 1):**

N/D

**BOILING POINT:**

N/D

**MELTING POINT:**

N/D

**SECTION 10. STABILITY AND REACTIVITY**

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** N/D

**INCOMPATIBILITY:** N/D

**CONDITIONS TO AVOID:** Keep cylinders below 130 F.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition products may include hydrogen chloride, chlorine and phosgene.

**SECTION 11. WASTE DISPOSAL CONSIDERATIONS**

**PESTICIDE DISPOSAL**

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CYLINDER DISPOSAL**

This cylinder is refillable. When empty, close valves, replace safety cap and return cylinder to manufacturer for reuse. Cylinder is refillable only by manufacturer.

**SECTION 12. ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water or wetlands. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by disposal of equipment wash-waters. Apply this product only as specified on the label.

**SECTION 13. TRANSPORT INFORMATION****DOT CLASSIFICATION:**

INSECTICIDE GASES, TOXIC N. O. S.

**B/L DESCRIPTION**

ORGANIC PHOSPHATE COMPOUND MIXED WITH COMPRESSED GAS, 2.3, NA1955, HAZARD ZONE C

**SECTION 14. SARA TITLE III INFORMATION****HAZARDS:**

Fire:	Yes
Pressure:	Yes
Reactivity:	No
Acute:	Yes
Chronic:	Yes

**PHYSICAL DATA:**

Mixture:	Yes
Pure:	No
Solid:	No
Liquid:	Yes
Gas:	Yes

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

The above information pertains to this product as it is currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of this product. This information is provided in good faith, but since conditions of use are outside our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information.

\*\*Buyer assumes all responsibility for safety and use not in accordance with label directions.

**\*\*EMERGENCY TELEPHONE NUMBER FOR TRANSPORTATION SPILLS:**

**CHEMTREC 1-800-424-9300**

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**DATE AND TIME OF PRINTING:** July 13, 2009 @ 10:26am