



MATERIAL SAFETY DATA SHEET

Product: Gowan Dicofol 3 Dust

Formulator: Gowan Company
P.O. Box 5569
Yuma, Arizona 85366-5569
(520) 783-8844

Emergency Phone: (520) 783-3803
For 24-Hour Emergency Assistance (Spill, Leak, Fire, or Exposure), Call CHEMTREC[®]:

For MEDICAL Emergency:

(520) 783-3803

Inside the U.S.: (800) 424-9300
Outside the U.S.: (703) 527-3887
(800) 225-5635 ext. 283

1. CHEMICAL IDENTIFICATION

Product: Dicofol 3 Dust
EPA Signal Word: Caution
Active Ingredient: Dicofol (3.0%)
Chemical Name: 1,1-bis (chlorophenyl) 2,2,2 Trichlorethanol
Chemical Class: Organochlorine
EPA Registration No.: 10163-234
CAS No.: 115-32-2

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	OSHA – PEL	ACGIH – TLV	OTHER	NTP/IARC/OSHA CARCINOGEN
Dicofol (3.0%)	Not applicable	Not applicable	Not established	No

3. HAZARDS IDENTIFICATION

Physical Properties

Appearance: White to gray powder
Odor: Odorless

Symptoms of Overexposure

Overexposure by any route to chlorinated hydrocarbons may cause nervousness and hyperactivity, headache, nausea, vomiting, unusual sensations, and fatigue. Convulsions and coma may follow. Significant or repeated exposures exceeding the exposure limit (TWA) may be toxic to the liver, adrenal, kidney, or heart.

Medical Conditions Likely to be Aggravated by Exposure

Pre-existing liver, adrenal, kidney, or heart disorders.

Primary Routes of Exposure

Harmful if ingested, inhaled, or absorbed through skin.

Hazardous Decomposition Products

None known

Unusual Fire, Explosion, and Reactivity Hazards

Fire produces toxic products: Hydrogen chloride and chlorine gas. Pesticide particulate can become airborne. Remain upwind. Avoid smoke.

4. FIRST AID MEASURES

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

Ingestion: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. Treat the victim symptomatically. If irritation persists, call a physician.

4. FIRST AID MEASURES (continued)

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. If irritation persists, call a physician.

Skin Contact: Wash exposed areas with plenty of soap and water. If irritation persists, call a physician.

!! IN ALL CASES OF SUSPECTED POISONING, GET MEDICAL ATTENTION IMMEDIATELY !!

For emergency **MEDICAL** response and hazard communication **ONLY**, call:

Hazard Information Services at (800) 228-5635 ext. 283.

5. FIRE FIGHTING MEASURES

Flashpoint (test method): Not applicable

Flammable Limits (% in air): Not applicable

Autoignition Temperature: Not applicable

Appropriate Extinguishing Media

Use CO₂, dry chemical, or water spray.

Fire Fighting Guidance

Wear respirator (pressure-demand, self-contained breathing apparatus (NSHA/NIOSH-approved or equivalent) and full protective gear. Use water spray to cool containers. Run-off should be contained.

Unusual Fire, Explosion, and Reactivity Hazards

Fire produces toxic products: Hydrogen chloride and chlorine gas. Pesticide particulate can become airborne. Remain upwind. Avoid smoke.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spills or Leaks

Isolate and post spill area. Wear prescribed protective clothing and equipment. Keep out animals and unprotected persons. Keep material out of streams and sewers. Dike to confine spill, and absorb with an absorbent such as clay, sand or cat litter. Vacuum, shovel or pump wastes into an approved drum and label drum for contents. To decontaminate spill area, tools and equipment, wash with organic solvent, detergent, bleach or caustic solution and add the solution to the drums of wastes already collected. Dispose of drummed wastes according to the method outlined below.

7. HANDLING AND STORAGE

Precautions in storing

DO NOT contaminate water, food, or feed by storage or disposal.

Storing

Store only in original container in locked storage area. If a spill occurs, sweep up and dispose of in a permitted disposal facility. Avoid cross-contamination with other pesticides and fertilizers during handling and storage. Do not store near heat or open flame. Do not use or store in or around the home.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Mechanical local exhaust at point of contaminant release.

Eye/Face: Not required; use normal safety precautions.

Skin Protection: Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

Respiratory Protection: Wear a suitable approved respirator where exposure limits are exceeded.

Additional Protection Information:

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Applicators/Handlers: Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

User Safety

Recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to gray powder
Odor:	Odorless
Melting Point:	Not applicable
Boiling Point:	Not applicable
Specific Gravity/ Density:	Not available
Solubility in H₂O Dicofol	Dispersible
Vapor Pressure Dicofol	Not applicable

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Decomposition Products:	None known
Hazardous Mixtures:	Avoid contact with acids
Conditions To Avoid:	Temperatures above 100°C/212°F to prevent thermal degradation.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies

Ingestion:	2000 mg/kg
Dermal:	>5000 mg/kg
Eye Irritation:	Irritation clearing within 7 days
Primary Dermal Irritation:	Not an irritant
Dermal Sensitization:	Not a sensitizer

Mutagenic Potential

Not available

Reproductive Hazard Potential

Not available

Chronic/Subchronic Toxicity Studies

Not available

Carcinogenic Potential

None

12. ECOLOGICAL INFORMATION

Summary of Effects

Dicofol

This product is toxic to fish. Do not apply directly to lakes, streams, or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Apply this product only as specified on this label.

Other Environmental Information Use Precautions

Not available

13. DISPOSAL CONSIDERATION

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal

Completely empty bag into application equipment. Do not reuse container. Dispose of empty bag in a sanitary landfill or by incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

DOT Classification

Not Regulated

International Maritime Organization

Environmentally Hazardous Substance, Solid, N.O.S., (dicofol), 9, UN 3077, PG III, Marine Pollutant, NAERG #171

International Civil Aviation Organization

Environmentally Hazardous Substance, Solid, N.O.S., (dicofol), 9, UN 3077, PG III, Marine Pollutant, NAERG #171

15. REGULATORY INFORMATION

SARA Title III Classification

Section 302/304:	Not applicable
Section 311/312:	Immediate (acute) health hazard Delayed (chronic) health hazard
Section 313 chemical(s):	Dicofol (1.0%)

Proposition 65

Not applicable

CERCLA Reportable Quantity (RQ)

333 Lbs. product (10 Lbs. Dicofol)

RCRA Classification

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA Status

Exempt from TSCA

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 1
Flammability: 1
Reactivity: 0

0	Least
1	Slight
2	Moderate
3	High
4	Severe

Notice: The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information herein.

Prepared By:

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(520) 783-8844