

MATERIAL SAFETY DATA SHEET

BI-CARB OLD FASHIONED FUNGICIDE Page 1 of 4

Issue Date: 06/04

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

BI-CARB OLD FASHIONED FUNGICIDE

EPA Reg. No. 54705-10

Common Name: Fungicide.

Chemical Description: Potassium bicarbonate.

TSCA/CAS No.: This product is a mixture — the primary CAS No. is 298-14-6

Manufactured For

Lawn & Garden Products, Inc.

P. O. Box 35000

Fresno, CA 93745-5000

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 435-2163

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
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None.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

White to pale yellowish white powder. Harmful if swallowed, absorbed through skin, or inhaled. Do not mix with strong acidic compounds. Not D.O.T. regulated.

HEALTH: 1 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 0
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

SECTION 4. FIRST AID

Eyes: Immediately flush eyes with copious amounts of clear cool water for at least 15 minutes. Call a poison control center or doctor for treatment advice.

Skin: Wash with plenty of soap and water. Seek medical attention if irritation develops.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. 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.

Inhalation: Remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

SECTION 5.	FIRE AND EXPLOSION HAZARDS
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Flash Point:	Not combustible.
Test Method:	Not available.
LEL Flammable Limits:	Not available.
UEL Flammable Limits:	Not available.
Autoignition Temperature:	Not available.
Flammability Classification:	Nonflammable.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	None known.
Extinguishing Media:	Dry chemical, sand, water spray or regular foam.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and goggles. Avoid inhalation of vapors and fumes. Contain any liquid runoff.

SECTION 6.	SPILLS AND LEAKS
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Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for proper disposal.
Evacuation:	Not necessary.

SECTION 7.	STORAGE AND HANDLING
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Storage:	Store in original container in a cool, well-ventilated, dry place in an area inaccessible to children and pets.. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. Wear long-sleeved shirt and long pants, waterproof gloves and shoes plus socks. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse. Keep all persons, children and pets out of treated area until sprays have dried.

SECTION 8.	PERSONAL PROTECTIVE EQUIPMENT
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Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Long-sleeved shirt, long pants, waterproof gloves, shoes plus socks.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation,

use NIOSH-approved dust/mist respirator (such as 3M #8710).

Ventilation: Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	White to pale yellowish white powder.
Odor:	Not available.
pH:	Not available.
Vapor Pressure:	Does not vaporize.
Vapor Density (Air=1):	Does not vaporize.
Boiling Point:	Does not boil.
Freezing Point:	Not available.
Water Solubility:	Soluble. 600 g/liter (60°C/140°F)
Specific Gravity:	0.56 g/cm ³ (20/20°C)
Evaporation Rate:	None.
Viscosity:	Not available.
% Volatile by Vol.:	0%
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Avoid heat.
Incompatibility:	Do not mix with strong acidic compounds.
Hazardous Decomposition Products:	$\text{KHCO}_3 \rightarrow \text{K}^+ + \text{H}_2\text{O} + \text{CO}_2$
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	May cause irritation.
Skin:	Slightly irritating.
Ingestion:	May cause irritation of the gastrointestinal tract following ingestion of large amounts. Oral LD ₅₀ (rat): 3,358 mg/kg.
Inhalation:	May cause irritation. Symptoms of inhalation may include coughing, irritation of mucous membranes in the nose, throat, and eyes, and difficulty in breathing.

Subchronic Effects: None known.

Chronic Effects: None known.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Not known.
Toxicity to Plants:	Not known.
Toxicity in Birds:	Not known.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

SECTION 14. TRANSPORTATION

D.O.T.:	Not D.O.T. Regulated.
Other Shipping Description:	Insecticides or Fungicides, NOI, Other Than Poison. NMFC Item 102120, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: None.

Proposition 65: None.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.