

Material Safety Data Sheet

J. R. Simplot Company

AgriBusiness

M75115

Trade Name: Blite Out Plus
Registration No: 1812-351-7001

SECTION 1

CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufactured For: J.R. Simplot Company
P.O. Box 912
Pocatello, ID 83204
Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: Blite Out Plus
Common Name: Sugar Beet & Potato Fungicide
Chemical Type: Mixture of Dithiocarbamates

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT%	TLV	LD ₅₀ *
Manganese Ethylene-1,2-bisdithiocarbamate (Maneb 80)	12427-38-2	(C ₄ H ₆ MnN ₂ S ₄)	32	5 mg/M ³ as Mn	6750 mg/kg
Triphenyltin Hydroxide	76-87-9	Cl ₈ H ₁₆ OSn	5	0.1 mg Sn/M ³	170 mg/kg
Inert ingredients			63		

(The specific chemical identity of "inert ingredients" is considered trade secret information.)

SECTION 3

HAZARDS IDENTIFICATION

Ingestion: The EPA has determined that Triphenyltin Hydroxide causes birth defects in laboratory animals. Exposure to TPTH during pregnancy should be avoided. May be fatal if swallowed.

Inhalation: Aggravating to the mucous membranes of pharynx and larynx. May cause coughing and sneezing and blood crusts in the nose.

Eye Contact: Corrosive to eyes. Causes severe eye burns. Contact with the conjunctive causes strong lacrimation and conjunctivitis with palpebral edema.

Skin Absorption: Causes severe skin aggravation and burns.

Skin Contact: Causes severe skin aggravation and burns.

Effects of Overdose: Maneb at high levels has caused birth defects in test animals, hind leg paralysis and an increased incidence of retinal atrophy related to old age. It has caused thyroid tumors in test animals, resulting from ethylene thioiurea (ETU) formation. Rats fed 2 years on a diet containing 250 ppm suffered no ill effects. In long term feeding studies on rodents, some dithiocarbamates, including maneb, have included carcinogenicity and birth defects at high dietary intake levels.

SECTION 4

FIRST AID MEASURES

Ingestion: Never give fluids or induce vomiting if patient is unconscious or having convulsions. A specific antidote is not known. Apply gastric lavage several times, thereafter administer a saline laxative. Finally administer carbo absorbents. Get medical attention immediately.

Inhalation: Remove victim to fresh air. Get medical attention immediately.

Eyes: Hold eyelids open and flush with water, until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

Skin: Remove contaminated clothing and shoes. Flush with water, then wash with soap and water.

Note to Physician: Application of a corticosteroid cream has been effective in treating severe skin aggravation. If blisters develop, they may require abrasion to promote healing.

SECTION 5

FIRE FIGHTING MEASURES

General Hazard: Prevent human exposure to fire, smoke, fumes or products of combustion.

Extinguishing Media: Use carbon dioxide, water fog or foam.

Special Fire Fighting Procedures: Wear protective clothing and self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Combustion products include toxic fumes of NO_x and SO_x when heated.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Environmental Precautions: This pesticide is toxic to fish and wildlife; do not allow spills to enter bodies of water.

Steps to be taken in case material is released or spilled:
Cover spill with absorbent material such as sweeping compound or lime. Sweep up the material and place in suitable (fiberboard) containers for later disposal

SECTION 7

HANDLING AND STORAGE

Precautions to be taken in handling and storing:
Store above 0°C and below 35°C. Average shelf life under proper storage conditions is 2 years. Store in clean, dry area. Do not store near feed, food or within the reach of children.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Provide local exhaust ventilation and/or general dilution ventilation to meet published exposure limits.

Respiratory Protection: Where adequate ventilation is not available, wear an approved pesticide respirator.

Protective Clothing: Applicators and other handlers must wear coveralls over long-sleeved shirt and long pants, waterproof gloves, chemical-resistant footwear plus socks, chemical resistant headgear for overhead exposure and chemical resistant apron.

Eye Protection: Wear protective eyewear to prevent contact with this substance.

Other: Pesticide Applicators & Workers: These workers must refer to the Product Label and Directions For Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170.

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	No data	Solubility in Water:	Disperses to form an emulsion.
Density:	1.3	% Volatiles (by volume):	Not applicable
Flashpoint:	Greater than 200°C	Vapor Pressure, mm Hg:	Not applicable
Appearance:	Yellow liquid; slight odor.	pH:	No data
Reaction with Water:	Decomposes upon contact at elevated temperatures.		
Extinguishing Media:	Water fog, CO ₂ , dry chemical.		

SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions):	This product is stable under normal conditions.
Conditions to Avoid:	None listed
Incompatibility (Material to Avoid):	Acids
Hazardous Decomposition Products:	NO _x and SO _x when heated.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None known.

SECTION 11

TOXICOLOGY INFORMATION

None listed

SECTION 12

ECOLOGICAL INFORMATION

None listed.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Comply with appropriate disposal regulations. Landfill solids at permitted sites. Use registered transporters.

SECTION 14

TRANSPORT INFORMATION

Shipping name:	Agricultural fungicide, N.O.I.	C.A.S. Number:	See "Ingredients"
Hazard Class:	None	D.O.T. Number:	None
Reportable Quantity(RQ):	None	Haz Waste No:	None
Labels Required:	None	EPA Regist No:	1812-351-7001
Placard:	None		

SECTION 15

REGULATORY INFORMATION

Carcinogenicity: by IARC?: Yes () No (X) by NTP?: Yes () No (X)
The EPA has determined that Triphenyltin Hydroxide causes birth defects in laboratory animals.

This product contains Manganese, C.A.S. No. 7439-96-5, which is subject to the reporting requirements of Section 313 of Title III of the Superfund and Reauthorization Act of 1986 and 40 CFR Part 372.

Maneb is a chemical cited in 90 California Reg. Notice 984, Safe Drinking Water and Enforcement Act of 1986, as known to the state of California to cause cancer.

SECTION 16

OTHER INFORMATION

Flash Point (Test Method):	Greater than 200°C	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not available	(% BY VOLUME)	N/A	N/A
Hazard Rating (N.F.P.A.):	Health: 2	Fire: 2	Reactivity: 1	Specific: Not applicable

This N.F.P.A. rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association (N.F.P.A.).

For detailed toxicological, ecological or regulatory information, write to:
Griffin Corporation
PO Box 1847, Rocky Ford Road
Valdosta, GA 31603-1847
or call (912) 242-8635 and ask for Regulatory Affairs concerning the product "Pro-Tex"/"Blite Out Plus."

MSDS Version Number: 3 (revisions to Section 15)

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