

# MATERIAL SAFETY DATA SHEET



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TRANSPORTATION EMERGENCY  
CALL CHEMTREC . . . . .(800)-424-9300  
DISTRICT OF COLUMBIA . . . . .(202)-483-7616

NON-TRANSPORTATION  
OLYMPIC EMERGENCY PHONE . . . . .(800)-356-4647  
OLYMPIC INFORMATION PHONE . . . . .(800)-659-6745

## COMPASS™ O 50 WDG

EPA Registration Number: 3125-560-59807

### I. CHEMICAL PRODUCT IDENTIFICATION:

**PRODUCT NAME** . . . . .: COMPASS O 50 WDG  
**CHEMICAL NAME** . . . . .: Benzeneacetic acid, (E,E)-  
palph-(methoxyimino)-2-(((1-(3-trifluoromethyl)phenyl)  
ethylidene)amino)oxy)methyl)-,methyl ester  
**SYNONYMS** . . . . .: Trifloxystrobin  
**PRODUCT USE** . . . . .: Fungicide

### II. COMPOSITION/INFORMATION ON NAME INGREDIENTS:

#### INGREDIENTS

/CAS NUMBER	EXPOSURE LIMITS	CONCENTRATION (%)
***** HAZARDOUS INGREDIENTS *****		
<b>Trifloxystrobin</b>		
141517-21-7	OSHA: Not Established	50.0%
	ACGIH: Not Established	
<b>Surfactant</b>		
Specific chemical identity is withheld as a trade secret.		
	OSHA: Not Established % Not Noted	
	ACGIH: Not Established	
<b>Sodium Sulfate</b>		
	OSHA: Not Established % Not Noted	
	ACGIH: Not Established	
<b>Antifoam Agent</b>		
Specific chemical identity is withheld as a trade secret.		
	OSHA: Not Established % Not Noted	
	ACGIH: Not Established	
<b>Pergopak M</b>		
	OSHA: Not Established % Not Noted	
	ACGIH: Not Established	
<b>Surfactant</b>		
Specific chemical identity is withheld as a trade secret.		
	OSHA: Not Established % Not Noted	
	ACGIH: Not Established	
<b>Wetting Agent</b>		
Specific chemical identity is withheld as a trade secret.		
	OSHA: Not Established % Not Noted	
	ACGIH: Not Established	
<b>Carrier (contains crystalline silica)</b>		
	OSHA: .10 mg/m3 TWA (respirable) % Not Noted	
	ACGIH: 10 mg/m3 TWA (respirable)	

### III. HAZARDS IDENTIFICATION:

#### EMERGENCY OVERVIEW CAUTION!

**COLOR** . . . . .: Grey to beige  
**FORM** . . . . .: Solid Granules  
**ODOR** . . . . .: Weak odor, indeterminate.

#### POTENTIAL HEALTH EFFECTS:

**ROUTE(S) OF ENTRY** . . . . .: Inhalation; Skin Contact;  
Skin Absorption; Eye  
Contact

#### HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

**ACUTE EFFECTS OF EXPOSURE:** Based on animal studies, this material is slightly toxic by the oral and dermal routes of exposure. It is not irritating to the eyes or skin. A skin sensitizing (allergic) reaction may occur in some individuals.

**CHRONIC EFFECTS OF EXPOSURE:** This product contains respirable crystalline silica. Excessive long-term exposure to respirable crystalline silica may cause silicosis, a form of progressive pulmonary fibrosis. Severe and permanent lung damage may result.

**CARCINOGENICITY:** This product is not listed as a carcinogen by NTP or IARC, or regulated as a carcinogen by OSHA. However, it may contain crystalline silica (quartz), a substance which is classified by NTP as a Group 2 carcinogen and by IARC as a Group I carcinogen. Crystalline silica is a naturally-occurring mineral component of many sands and clays. Although controversial, the carcinogenic potential of crystalline silica must be considered if it is inhaled under excessive exposure conditions. However, the respirable portion of the silica which may be contained in this product is small, such that excessive inhalation exposure during normal conditions of use is unlikely.

**NTP:** Crystalline silica is classified as an NTP Anticipated Human Carcinogen - "Substances or groups of substances that may reasonably be anticipated to be carcinogens."

**IARC:** IARC has classified crystalline silica as a Group 1 carcinogen. "There is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica (quartz) from occupational sources."

**OSHA:** Not regulated

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Individuals with allergic history or pre-existing dermatitis should use extra care in handling this product. Pulmonary and respiratory diseases may be aggravated by exposure to respirable crystalline silica.

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### IV. FIRST AID MEASURES:

**FIRST AID FOR 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 eye. Call a poison control center or doctor for treatment advice.

### FIRST AID MEASURES continued

**FIRST AID FOR SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**FIRST AID FOR INHALATION:** Move 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 information.

**FIRST AID FOR INGESTION:** Call 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 physician or poison control center. Do not give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN:** There is no specific antidote if this product is ingested. Treat symptomatically. An aqueous suspension of activated charcoal can be administered to absorb remaining toxicant.

### V. FIRE FIGHTING MEASURES:

**FLASH POINT** . . . . .: Not Applicable

**AUTO-IGNITION TEMPERATURE** . . . . .: 320° C

**EXTINGUISHING MEDIA** . . . . .: Dry Chemical; Foam; Carbon Dioxide

**SPECIAL FIRE FIGHTING PROCEDURES** . . . . .: Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated.

**UNUSUAL FIRE / EXPLOSION HAZARDS** . . . . .: None Known

### VI. ACCIDENTAL RELEASE MEASURES:

**SPILL OR LEAK PROCEDURES** . . . . .: Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and use of particulate filter, NIOSH approved per 42 CFR Part 84. Select N or R or P type as appropriate for the oil characteristics of any other air contaminants present. Filter efficiency may range from 95 - 99.97% as appropriate for the size distribution of dusts present. For small spills, sweep up, keeping dust to a minimum, and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

### VII. HANDLING AND STORAGE

**STORAGE TEMPERATURE** . . . . .: Not Noted

**SHELF LIFE** . . . . .: Not Noted

**SPECIAL SENSITIVITY** . . . . .: Not Noted

### HANDLING/STORAGE

**PRECAUTIONS** . . . . .: Store the material in well-ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

### VIII. PERSONAL PROTECTION:

#### REQUIRED WORK/

**HYGIENE PROCEDURES** . . . . .: The following recommendations for exposure control/personal protection are intended for the manufacture, formulation and packaging of the product. For end-use applications consult the product label.

#### EYE PROTECTION

**REQUIREMENTS** . . . . .: To avoid eye contact, wear safety glasses with side shields or chemical goggles.

#### SKIN PROTECTION

**REQUIREMENTS** . . . . .: To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved shirt, long pants and a head covering.

**RESPIRATOR REQUIREMENTS** . . . . .: To avoid breathing dust, use a particulate filter, NIOSH approved per 42 CFR Part 84. Select N or R or P type as appropriate for the oil characteristics of any other air contaminants present. Filter efficiency may range from 95-99.97% as appropriate for the size distribution of dusts present.

#### ADDITIONAL

**PROTECTIVE MEASURES** . . . . .: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

### IX. PHYSICAL AND CHEMICAL PROPERTIES:

**PHYSICAL FORM** . . . . .: Solid

**APPEARANCE** . . . . .: Granules

**COLOR** . . . . .: Grey to beige

**ODOR** . . . . .: Weak odor, indeterminate

**pH** . . . . .: 9-11 (1% suspension in water)

**BOILING POINT** . . . . .: Not Applicable

**MELTING/FREEZING POINT** . . . . .: 70.9° C

**SOLUBILITY IN WATER** . . . . .: Not Available (trifloxystrobin)

**SPECIFIC GRAVITY** . . . . .: Not applicable

**BULK DENSITY** . . . . .: 0.60 g/cm<sup>3</sup> @ 25° C

**VAPOR PRESSURE** . . . . .: Not Available (trifloxystrobin)

### X. STABILITY AND REACTIVITY:

**STABILITY** . . . . .: This is a stable material.

**HAZARDOUS POLYMERIZATION** . . . . .: Will not occur.

**INCOMPATIBILITIES** . . . . .: Not known

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**INSTABILITY CONDITIONS** . . . . . : Not known  
**DECOMPOSITION PRODUCTS** . . . . . : None known

### XI. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY:

**ORAL LD50:** Rat: >4,000 mg/kg body weight  
**DERMAL LD50:** Rabbit: >2,000 mg/kg body weight

**INHALATION LC50:** Rat: Not available

**EYE EFFECTS:** Rabbit: Non-irritating

**SKIN EFFECTS:** Rabbit: Non-irritating

**SENSITIZATION:** Guinea Pig: Sensitizing

**SUBCHRONIC TOXICITY:** Trifloxystrobin: Liver, pancreas, gall bladder, and spleen effects at high dose.

**CHRONIC TOXICITY:** Not Available

#### CARCINOGENICITY:

**Trifloxystrobin:** Not Available

#### MUTAGENICITY:

**Trifloxystrobin:** Negative in Ames, CHO, Rat Hepatocytes and Mouse Micronucleus.

#### DEVELOPMENTAL TOXICITY:

**Trifloxystrobin:** Developmental delays and fetal toxicity at maternally toxic dose.

#### REPRODUCTION:

**Trifloxystrobin:** None Observed

### XII. ECOLOGICAL INFORMATION:

The ecological effects of this material have been thoroughly evaluated. Contact Bayer for specific information. In event of a spill emergency, call the Bayer Emergency Response Number at 1.800.414.0244.

### XIII. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD** . . . . . : Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

### XIV. TRANSPORTATION INFORMATION:

**TECHNICAL SHIPPING NAME** . . . . . : Fungicide  
**FREIGHT CLASS BULK** . . . . . : Insecticides or Fungicides; Agricultural, N.O.S.  
**FREIGHT CLASS PACKAGE** . . . . . : Insecticides or Fungicides; Agricultural, N.O.S.  
**PRODUCT LABEL** . . . . . : COMPASS O 50 WDG  
**DOT (DOMESTIC SURFACE)**  
**HAZARD CLASS OR DIVISION** . . . : Non-Regulated  
**IMO / IMDG CODE (OCEAN)**  
**HAZARD CLASS**  
**DIVISION NUMBER** . . . . . : Non-Regulated  
**ICAO / IATA (AIR)**  
**HAZARD CLASS**  
**DIVISION NUMBER** . . . . . : Non-Regulated

### XV. REGULATORY INFORMATION:

**OSHA STATUS** . . . . . : This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

**TSCA STATUS** . . . . . : This product is exempt from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.

**CERCLA REPORTABLE QUANTITY** . . . . . : None

#### SARA TITLE III:

**SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES:** None

**SECTION 311/312 HAZARD CATEGORIES:** Immediate Health Hazard; Delayed Health Hazard

**SECTION 313 TOXIC CHEMICALS:** None

**RCRA STATUS** . . . . . : 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. (40 CFR 261.20-24)

### XVI. OTHER INFORMATION:

#### NFPA 704M RATINGS:

Health	Flammability	Reactivity	Other
1	1	0	
0=Insignificant	1=Slight	2=Moderate	3=High 4=Extreme

Olympic's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. NFPA ratings are provided by Olympic as a customer service.

**REASON FOR ISSUE** . . . . . : Create new MSDS

**APPROVAL DATE** . . . . . : 12/06/2000

**SUPERSEDES DATE** . . . . . : None

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