

# Safety Data Sheet

MSDS-Co-ENG-05

Amended according to Directive 2001/58/EEC, 2003/59/EEC and 2003/82/EEC

<b>1</b>	<b>Identification of the Substance / Preparation</b>	
	Product Name	CONTANS® WG
	Manufacturing No.	not available
	Producer	PROPHYTA Biologischer Pflanzenschutz GmbH Inselstrasse 12 D-23999 Malchow/Poel Phone: +49/38425/230, FAX: +49/38425/2323, info@prophyta.com
	Supplier	(see producer)
	Information Centre	PROPHYTA, phone: +49/38425/230
	Emergency Phone	Giftzentrale Berlin, phone: +49/30/19240 24 Hour emergency No.: +32 14 58 45 45
<b>2</b>	<b>Composition / Information on Ingredients</b>	
	Chemical Characterization	biological product, contains spores of <i>Coniothyrium minitans</i> , strain: CON/M/91-08, carrier: glucose
	Composition	1x10 <sup>12</sup> active spores of <i>Coniothyrium minitans</i> per kg
	Hazardous Ingredients	none
	Identification	EEC No.: - Index No.: 04346-00 CAS No.: -
	Other Information	none
<b>3</b>	<b>Hazard Identification</b>	
	Classification	none
	Special Advice for Humans and Environment	Keep (remaining) product away from water. Non-hazardous to honeybees. Non-hazardous to relevant populations of beneficial insects.
<b>4</b>	<b>First Aid Measures</b>	
	General Advice	none
	Inhalation	non-hazardous
	Skin Contact	non-hazardous
	Eye Contact	non-hazardous
	Ingestion	non-hazardous
	Other Information	none
	Advice to Physician	Symptoms and Treatment: no symptoms known; no special advice for treatment after contact with the product.
<b>5</b>	<b>Fire-Fighting Measures</b>	
	Extinguishing Media	water mist, foam, carbon dioxide and dry powder
	Measures unsuitable for Safety Reasons	none
	Special Hazard Properties (Products or Gasses from Thermal Combustion)	not relevant
	Protective Equipment	not necessary
<b>6</b>	<b>Accidental Release Measures</b>	
	Personal Protection	none
	Environmental Protection	Keep product away from water.
	Cleaning/Disposal	Pick up mechanically; distribute on field. Small amounts can be added to compost. After use: Spray remaining product dispersed in liquid manure.
	Other Advices	none

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7	<b>Handling and Storage</b>	
	<b>Handling</b>	
	<b>Safety Precautions</b>	no special advice
	<b>Fire and Explosive Protection</b>	none
	<b>Storage</b>	
	<b>Storage Conditions</b>	Store in original package only. Sealed packages can be stored for at least six months at temperatures below 4 °C
	<b>Advices for Storage with other Products</b>	none
	<b>Other Information on Storage</b>	none
	<b>Store Classification</b>	11
8	<b>Exposure Controls / Personal Protection</b>	
	<b>Special Advice for Technical Equipment</b>	none
	<b>Maximum Concentrations at Operator's Position</b>	none
	<b>Personal Protective Equipment</b>	not necessary
	<b>General Protection</b>	not necessary
	<b>Inhalative Protection</b>	not necessary
	<b>Skin Protection</b>	not necessary
	<b>Eye Protection</b>	not necessary
	<b>Hygiene Recommendations</b>	wash hands after contact with the product
9	<b>Physical and Chemical Properties</b>	
	<b>Appearance</b>	physical state: solid granules colour: dark brown smell: typical fungi
	<b>Safety Data</b>	
	<b>pH value</b>	product: not relevant in water [100g/l at 20 °C]: 6 – 7
	<b>Boiling point [°C]</b>	not relevant
	<b>Melting Point [°C]</b>	approx. 146 °C
	<b>Freezing Point [°C]</b>	not relevant
	<b>Flashpoint [°C]</b>	not relevant
	<b>Ignition Temperature [°C]</b>	not relevant
	<b>Auto ignition [°C]</b>	no auto ignition up to 400 °C
	<b>Oxidizing Properties</b>	none
	<b>Explosive Properties</b>	general: none upper explosion limit: not relevant lower explosion limit: not relevant
	<b>Density [kg/m³ at 20 °C]</b>	not relevant
	<b>Bulk Weight [kg/m³ at 20°C]</b>	460 – 500
	<b>Vapour Pressure</b>	not relevant
	<b>Solubility/Miscibility in Water</b>	insoluble / dispersible in water
	<b>Partition Coefficient (o/w)</b>	not available
10	<b>Stability and Reactivity</b>	
	<b>Thermal Decomposition / Conditions to be Avoided</b>	do not store under wet conditions, avoid long-term exposure to temperatures above 20 °C
	<b>Hazardous Reactions</b>	susceptible to fungicides, acids and hydroxides, products attacking organic material
	<b>Hazardous Decomposition Products</b>	none
	<b>Other Information</b>	no hazardous reactions known

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11	<b>Toxicological Information</b>	
	Acute Toxicity	LD50 oral: rat: > 2500 mg/kg (OECD 401) LD50 dermal: rat: > 2500 mg/kg (OECD 402) LC50 inhalative: rat: > 12.74 mg/L air, 4h exposure (OECD 403 and EC guideline B.2) skin irritation: rabbit: non-irritant (OECD 404) eye irritation: rabbit: non-irritant (OECD 405) skin sensitization: guinea-pig: no sensitizing properties (OECD 406 and EC guideline B.6)
	Effects after Repeated or Long term exposure	not relevant
	Carcinogenicity, Teratogenicity, Effects on Reproduction	not relevant
	Practical Experiences	Observations for Classification: none Other Observations: none
12	<b>Ecological Information</b>	
	Persistence and Decomposition	physical/chemical: thermal combustion at 600 °C without any residues or hazardous products. biological: readily biodegradable
	Environmental Behaviour	mobility: immobile bio-accumulation: none
	Other Information	none
	Ecological Effects	toxicity to aquatic organisms: acute toxicity / fish: > 100 mg/L, 96h (OECD 203) acute toxicity / Daphnia: > 100 mg/L, 48h (OECD 202) acute toxicity / algae: > 100 mg/L, 72h (OECD 201) effects on water plants: not available
	Effects on Waste Water Treatment	none
13	<b>Disposal</b>	
	Product	Spray remaining product dispersed in liquid manure. Small amounts can be added to compost.
	Packages	Cleaning Agent: no special cleaning necessary
14	<b>Transport Information</b>	
	Transport Conditions	land: no restrictions sea: no restrictions air: no restrictions
	Other Information	none
15	<b>Regulatory Information</b>	
	EEC Classification	none
	Hazard Symbol / Labelling	none
	R-phrases	none
	S-phrases	none
	Other Regulations	none
16	<b>Other Information</b>	
	The purpose of the above information is to describe the product only in terms of health and safety requirements. The information given should not, therefore, be construed as guaranteeing specific properties or as a specification. Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.	
	Contact Person	Dr. Peter L��th, Propytha, phone: +49/38425/230