

Safety Data Sheet

MSDS-BI-eng-04

According to EEC Directive 93/112/EEC

1	Identification of the Substance / Preparation	
	Product Name	MeloCon®WG
	Manufacturing No.	not available
	Producer	PROPHYTA Biologischer Pflanzenschutz GmbH Inselstraße 12, D-23999 Malchow/Poel Phone: ++49/38425/230, FAX: +49/38425/2323
	Supplier	(see producer)
	Information Centre	Prophyta, phone: ++49/38425/230
2	Emergency Phone	Royal Prince Alfred Hospital, Department of Microbiology, Sidney (tel. ++61/2/95156111)
	Composition / Information on Ingredients	
	Chemical Characterization	biological product, contains spores of <i>Paecilomyces lilacinus</i> , strain: 251, carrier: glucose
	Composition	1. Conidia of <i>Paecilomyces lilacinus</i> 1x10 ¹³ active spores per kg (= 60 g/kg) 2. Skimmed milk powder 60 g/kg 3. Glucose 880 g/kg
	Hazardous Ingredients	none
	Identification	EEC No.: not available Index No.: not available CAS No.: not available
3	Other Informations	none
	Hazard Identification	
	Classification	none
4	Special Advises for Humans and Environment	keep (remaining) product away from waters. Avoid any contact with the product. Misuse may lead to health damage. Non-hazardous to honeybees due to the use of the product. Non-hazardous to relevant populations of beneficials due to selectivity of the product.
	First Aid Measures	
	General Advise	Keep out of the reach of children and store in original containers only.
	Skin Contact	non-hazardous
	Eye Contact	not irritant
	Ingestion	Remove from source of exposure. Flush with copious amounts of water and seek medical attention. Provide symptomatic/supportive care as necessary.
	Inhalation	Remove from source of exposure to fresh air seek medical attention. Provide symptomatic/supportive care as necessary.
	Other Information	none
5	Advise to Physician	Symptoms and Treatment: no specific symptoms known, no special advise for treatment after contamination with the product.
	Fire-Fighting Measures	
	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
6	Other Advises	none
	Accidental Release Measures	
	Personal Protection	none
	Environmental Protection	keep product away from waters
7	Cleaning/Disposal	spray remaining product dispersed in liquid manure. Small amounts can be added to compost.
	Handling and Storage	
	Handling	
	Safety Precautions	no special advises
	Fire and Explosive Protection	None

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	Storage	
	Storage Conditions	Store in original package only. Sealed packages can be stored for at least six months at temperatures below 4 °C
	Advises for Storage with other Products	None
	Other Informations on Storage	None
	Store Classification	11
8	Exposure Controls / Personal Protection	
	Special Advise for Technical Equipment	None
	Maximum Concentrations at Operator's Position	None
	Personal Protective Equipment	not necessary
	General Protection	avoid any contact with the product
	Inhalative Protection	not necessary
	Skin Protection	not necessary
	Eye Protection	not necessary
	Hygiene Recommendations	Wash hands after contamination with the product
9	Physical and Chemical Properties	
	Appearance	physical state: solid granules colour: violet smell: none
	Safety Data	
	pH value	product: not relevant in water [100g/l at 20 °C]: 6 – 7
	Boiling point [°C]	not relevant
	Melting Point [°C]	approx. 146 °C
	Freezing Point [°C]	not relevant
	Flashpoint [°C]	not relevant
	Ignition Temperature [°C]	not relevant
	Autoignition [°C]	no autoignition up to 400 °C
	Oxidizing Properties	none
	Explosive Properties	general: none upper explosion limit: not relevant lower explosion limit: not relevant
	Density [kg/m³ at 20 °C]	not relevant
	Bulk Weight [kg/m³ at 20°C]	500-550
	Vapour Pressure	not relevant
	Solubility/Miscibility in Water	unsoluble / dispersible in water
	Partition Coefficient (o/w)	not available
10	Stability and Reactivity	
	Thermal Decomposition / Conditions to be Avoided	do not store under wet conditions, avoid long term exposition to temperatures above 20 °C
	Hazardous Reactions	susceptible to fungicides, acids and hydroxids, products attacking organic material
	Hazardous Decomposition Products	none
	Other Informations	none

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11	Toxicological Information	
	Acute Toxicity	LD50 intraperitoneal: rat: > 2000 mg/kg (OECD 401) LD50 dermal: rat: > 2000 mg/kg (OECD 402) LD50 acute oral: rat: > 2000 mg/kg (OECD 401) Pulmonary Toxicity/Pathogenicity: rat: no infection (OPPTS 885.3150) LC50 inhalative: rat: > 8x10 ⁷ /animal (OECD 404) Skin irritation: rabbit: non irritant acute eye irritation: rabbit: non irritant (OECD 405) skin sensitization: guinea-pig: no sensitizing properties (OECD 406)
	Genotoxicity	Mutagenicity in-vitro: bacteria: non-mutagenic Mutagenicity in vivo: mouse: non-mutagenic Micro-Nucleus: mouse: non-clastogenic (OECD 474)
	Effects after Repeated or Longterm Exposition	not relevant
	Carcinogenicity, Teratogenicity, Effects on Reproduction	not relevant
	Practical Experiences	Observations for Classification: none Other Observations: none
12	Ecological Information	
	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 Informations	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	not available
13	Disposal	
	Product	spray remaining product dispersed in liquid manure. Small amounts can be added to compost.
	Packages	Recommendations: add empty packages to local waste disposal or recycling system Cleaning Agent: no special cleaning necessary
14	Transport Information	
	Transport Conditions	land: no restrictions sea: no restrictions air: no restrictions
	Other Informations	none
15	Regulatory Information	
	EEC Classification	none
	Hazard Symbol / Labelling	none
	S-phrases	none
	National Regulations	none
	Other Regulations	none
16	Other Informations	
	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 Lüth, Propphyta, phone: ++49/38425/230