Safety data sheet according to 1907/2006/EC

Previous date:	21.10.2016	Print date:	21.10.16
Product:	**BioGrow I NPK 7-2-4-4 MgO**	Version / Code:	140716.1 PH5420

1. Identification of the substance/preparation and of the company/untertaking

Product information: Commercial poduct name: **BioGrow I NPK 7-2-4-4 MgO**

		REACH-Reg. Nr	EINECS/EC	CAS-Nr
Identification:	Mixture	--	--	--
Use identifiées:	**Fertilizer** PC 12: Fertilisers			

Company / Supplier: PF Trading BV, Keienbergweg 49, 1101 EX Amsterdam. Tel.: +31 20 7163834
Information: Tel.: +31 20 7163834 E-mail: shop@greenhousefeeding.com
Emergency telephone: Centre Suisse d' Information Toxicologique Tel.: ++41 44 251 66 66 ou ++41 145

Trade / undertaking: PF Trading BV, Keienbergweg 49, 1101 EX Amsterdam. Tel.: +31 20 7163834
Information: Tel.: +31 20 7163834 E-mail: shop@greenhousefeeding.com
Emergency telephone: Centre Suisse d' Information Toxicologique Tel.: ++41 44 251 66 66 ou ++41 145

2. Hazards identifikation

Classification: Classification (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008 (CLP)

Label elements: Labelling (REGULATION (EC) No 1272/2008)
GHS-Pictogrammes: This product is not classified as dangerous
GHS-Symboles: This product is not classified as dangerous
Signal word: This product is not classified as dangerous
Component determinate hazard: none
Hazard statements: none

Precautionary statements: none

Other hazards: Harmful if swallowed.
After prolonged contact, slight skin irritation possible.
May cause long-term adverse effects in the aquatic environment

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3. Composition/Information on Ingredients

Substance: Mixture

Mixture: Contains no substances classified in significant quantities, according to EU Directives and CLP, the MSDS is not legally required for this product.

Components:	CAS-Nr	EINECS/EC	REACH-Reg. Nr	%
not applicaibel				

*) Wording of the identification codes for classified materials, see Section 16

4. First aid measures

4.1 First aid measures

General informations: After inhalation: Supply fresh air, consult a doctor in case of symptoms.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

After inhalation: After inhalation: Supply fresh air, consult a doctor in case of symptoms.
In all cases of doubt or if symptoms persist get medical treatment.

After skin contact: wash wit water and soap and rine thoroghly.
If irritation persists, consult a doctor.

After eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If irritation persists, consult a doctor.

After oral intake: IF SWALLOWED: Rinse out mouth and then deink plenty of water.
may cause nausa, vomiting, diarrhoea.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
After inhalation of decomposition products: Risk of pulmonary edema. Symptoms may be delayed. Risk of Methhämoglobinämie.

Indication of any immediate medical treatement/attention: After inhalation of decomposition products: Risk of pulmonary edema. Symptoms may be delayed. Risk of Methhämoglobinämie.
Symptomatic treatment.

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5. Fire-fighting measures

Extinguishing media	No special requiremenent. Less effective extinguishing agents: dust, sand, CO2
Combustion products/gases	Heating can release hazardous gases: Sulphur oxids (SO2, SO3), nitrous gas (NOx), oxides of phosphorus, ammonia Not inhale gases during thermal decomposition.
Advice for firefighters	Self-contained breathing apparatus (EN 133). Waer full protective suit.
Additional information	For more information: Contaminated water may not enter in sewers or drains.

6. Accidental release measures

Personal precautions	Avoid raising dust. In case of dust wear safety goggles and dust mask. General protective measures: They are dealing with industrial hygiene and safety measures to be observed.
Environmental precaution	may not enter in sewers or drains.
Methods of cleaning-up	Collect mechanically. Dispouse of cantaminated material as waste according to item 13.

7. Handling and storage

Precaution for safe handling	No special precautions necessary if used correctly. Store in original packaging, risk to confusation! Not take up the product and keep away from children and animals. Respect the set-in-edge of the label. Store apart from sources if ignition and heat.
Conditions for safe storage	Tightly closed. Dry. Store apart from sources if ignition and heat. Avoid contact with elements corroded. Classe of stockage: 13 Keep out of direct sunlight and heat.
Specific end use:	Fertilizers (see Section 1.)

8. Exposure controls/personal protection

Control parameters	Dust (OEL):	Total Dust	MAK: 10 mg/m3
	specific substance:	Non pertinent (poussière totale)	--
Exposure controls	The product shuld be handled with the care usual when dealing with chemicals. To be noted, national rules for the application of fertilizers. Handle in accordance with good industrial hygiene and safety practice. Wash hands bevor breaks and at the ent of workday.		
Exposure limit values	not relevant		
Recommended monitoring procedures	not relevant		
Individual protection measures	Respiratory protection: In case to dust formation: protection with particle filter: type P95 (US) or type P1 (EU EN 143)		

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Hand protection:
In case of longe terme hands contact: use protective cloves 100% Nitril (EN 374, f.ex. Dermanetril 740 from KCL GmbH, D-36124 Eichenzell).)

Eye protection:
In case to dust formation: Use of safety glasses with side shields is recommended.

Environmental exposure controls: The product shuld be handled with the care usual when dealing with chemicals. To be noted, national rules for the application of fertilizers.
No speciality recommend

9. Physikal and chemical properties

General information	Forme:	Powder
	Coulour:	brown-yellow
	Odor:	not relevant
Important health, safty and environmental information	solubility in water:	Contains water-soluble components
	pH:	6.0 - 7.5
	Apparent density:	600 -800 g/l
	Relative density:	not relevant
	Flammability:	Decomposes on heating from 260 ° C approx.
	Oxidizing properites:	The product itself does not burn.
	Explosive properties:	not applicable
	Melting point:	not applicable
	Vapor pressure:	not applicable

10. Stability and reactivity

Reactivity: Heating can release hazardous gases: Sulphur oxids (SO2, SO3), nitrous gas (NOx), oxides of phosphorus, ammonia
Ammonia release by the action of alkalis or other alkaline substances possible.
May be corrosive to metals.

Stability: Stabel under conditions normality (show Pt. 7)

Possibility of hazardous reactions: Decompositions are not observed during the expiration periode under recommended conditions. In the event of fire: See pt. 5

Conditions to avoid: elevated temperatures, high humidity.
Bring together not with concentrated acids or alkalis.

Hazardous decomposition products: Heating can release hazardous gases: Sulphur oxids (SO2, SO3), nitrous gas (NOx), oxides of phosphorus, ammonia

11. Toxicological information

Acute oral toxicity:	Acute oral toxicity: LD50/oral/rat : > 2000 mg/kg
Skin irritation:	After longer exposure may cause slight irritation of skin.
Corrosion / burns:	After longer exposure may cause slight irritation.
Sensitisation:	Based on the available data and experience no classification is given (conventional method)
Carcinogenicity:	no data available
Genotoxicity in vitro:	no data available
Toxicity for reproduktion	Not tested. No relevant data available.

12. Ecological information

Ecotoxicity (for pure chemicals):	Water hazard class:	1 (slightly hazadous for water

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Persistence and degradability:	not applicable
Bioaccumulative potential:	not applicable
Mobility in soil:	Water-soluble components or breakdown products may be washed into groundwater.
PBT and vPvB assessment:	no data available
Other adverse effects:	May contribute to the eutrophication of water systems.

13. Disposal considerations

Packing:	See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.
Product:	Packing: Can be removed also with urban waste.
	Product intended for use out. Waste material must be disposed of in compliance with the respective national regulations. Under "www.retrilogistik.com" you will find country- and substance-specific information as well as contact partners.

14. Transport Information

Road transport (ADR/RID):

Proper shipping name:	Mixture
Classification:	Not classified as dangerous inthe meaning of transportregulation ADR/SDR

Maritime transport (IMPG)

Proper shipping name:	Mixture
Classification:	Not subject to transport regulations.

Air transport (IATA-DGR):

Proper shipping name:	Mixture
Classification:	Not subject to transport regulations.

Special precaution for user

See sections 6-8

15. Regulatory information

Nationals Directives

Switzerland	ChemRRV Anhang 2.6 ; ChemV und Störfallverordnung (Pt.7)
	Water hazardous classe: CEA: PN3 / CIA / WGK (D/CH): 1 (slightly hazardous to water)
	Classe of stockage (VCI).
EC:	Classification et désignation des substances, préparations et produits (TRGS 200)
	Désignation de déchets lors de l' utilisation (TRGS 201)
	Déterminer et évaluer les risques représentés par les substances dangereuses sur le lieu de travail (TRGS 400).
	just more than one minor hazard was detected.
	Mesures de protection (TRGS 500)
	matériaux combustibles stocker dans l'emballage et conteneurs mobiles (TRGS 515)
	Water hazardous classe: CEA: PN3 / CIA / WGK (D/CH): 1 (slightly hazardous to water)

16. Others information

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Sources:

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
SUVA .CH, Limits in air at work 2009, revised on 01.2009

GESTIS, système d' information des dangers des caisses mutuelles d' assurance accident de l' industrie et du commerce.
TRGS (Règles techniques sur les substances dangereus)
TRGS 900, German engineering rules governing limits in air at work, updated May 2010

While the information contained in the MSDS is believed to be reliable, no guarantee is made as to its accuracy or completeness. The conditions of use, handling, storage, and disposal, and the suitability of the product for particular uses are beyond our control. Consequently, all risks involving the use of the product are assumed by the user. We expressly disclaim all warranties of every kind and nature, express or implied, including the warranties of merchantability and fitness for a particular purpose.

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