

# Safety data sheet according to 1907/2006/EC

Previous date:	28.03.2012	Print date:	28.03.12
Product:	fertilizer solid	Code:	1108

## 1. Identification of the substance/preparation and of the company/undertaking

<b>Product information:</b>	Commercial product name: Powder Feeding Hybrid	CAS-Nr	EINECS/EC	Index
Identification:	Mixture	--	--	--
Use identifiées:	<b>Fertilizer</b> PC 12: Fertilisers			
<b>Company / Supplier:</b>	PF Trading BV, Keienbergweg 49, 1101 EX, Amsterdam. Tel.: +31(0) 20 7163834			
Information:	Tel.: +31(0) 20 7163834		E-mail: shop@powderfeeding.ch	
Emergency telephone:	Centre Suisse d' Information Toxicologique Tel.: ++41 44 251 66 66 ou ++41 145			
<b>Trade / undertaking:</b>	PF Trading BV, Keienbergweg 49, 1101 EX, Amsterdam. Tel.: +31(0) 20 7163834			
Information:	Tel.: ++31(0) 20 7163834		E-mail: shop@powderfeeding.ch	
Emergency telephone:	Centre Suisse d' Information Toxicologique Tel.: ++41 44 251 66 66 ou ++41 145			

## 2. Hazards identification

Classification:	<u>Classification (REGULATION (EC) No 1272/2008)</u> Oxidising solids, Category 3; H272
	<u>Classification (67/548/EEC or 1999/45/EC)</u> This substance or mixture is not classified as dangerous according to Directive 67/548/EEC or 1999/45/EC

Label elements:	<u>Labelling (REGULATION (EC) No 1272/2008)</u>
GHS-Pictogrammes:	This product is not classified as dangerous, resp. transitional period until 1.6.2015 for mixtures.
GHS-Symboles:	This product is not classified as dangerous, resp. transitional period until 1.6.2015 for mixtures.
Signal word:	This product is not classified as dangerous, resp. transitional period until 1.6.2015 for mixtures.
Component determinate hazard:	none
Hazard statements:	none

Precautionary statements:	P221	Take any precaution to avoid mixing with combustibles...
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Other hazards:	Contact with combustible material may cause fire After prolonged contact, slight skin irritation possible. May cause long-term adverse effects in the aquatic environment Heating can release hazardous gases: nitrous gas (NOx), ammonia
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## 3. Composition/Information on Ingredients

Mixture: Mixture of inorganic compounds (sulfate-, phosphate-, nitratesalts from ammonium, potassium, magnesium) and trace elements

Components:	CAS-Nr	EINECS/EC	Index	%
Ammonium nitrate	6484-52-2	229-347-8	--	0 - 30
Classification *) GHS 1272/2008/EC:		Oxidising solids, Category 3; H272		
Classification *) 67/548/EEC or 1999/45/EC:		O, R8, R9		
Potassium nitrate	7757-79-1	231-818-8	--	0 - 40
Classification *) GHS 1272/2008/EC:		Oxidising solids, Category 3; H272		
Classification *) 67/548/EEC or 1999/45/EC:		O, R8		
Boric acid	10043-35-3	233-139-2	005-007-00-2	0 - 0.2
Classification *) GHS 1272/2008/EC:		Repr. 1B, H360FD		
Classification *) 67/548/EEC or 1999/45/EC:		T; Repr.Cat.2; R60-61		
EDTA-Cu-Disodiumcomplex	14025-15-1	237-864-5	--	0 - 0.02
Classification *) GHS 1272/2008/EC:		Acute Tox. 4, H302		
Classification *) 67/548/EEC or 1999/45/EC:		Xn; R22		

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

## 4. First aid measures

General informations	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. In all cases of doubt or if symptoms persist get medical treatment.
After inhalation	After inhalation: Supply fresh air, consult a doctor in case of symptoms. If you feel unwell seek medical advice (show the label where possible or the MSDS)
After skin contact	wash with water and soap and rinse thoroughly. 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 drink plenty of water. may cause nausea, vomiting, diarrhoea. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Indication of any immediate medical treatment/attention	After inhalation of decomposition products: Risk of pulmonary edema. Symptoms may be delayed. Risk of Methämoglobinämie. Symptomatic treatment.

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### 5. Fire-fighting measures

Extinguishing media	No special requirement. Less effective extinguishing agents: dust, sand, CO2
Combustion products/gases	Heating can release hazardous gases: nitrous gas (NOx), ammonia Not inhale gases during thermal decomposition.
Advice for firefighters	Self-contained breathing apparatus (EN 133). Wear 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. Dispose of contaminated 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 confusion! Respect the set-in-edge of the label.
Conditions for safe storage	Tightly closed. Dry. Store apart from sources of ignition and heat. Store apart from sources of ignition and heat.
Storage class	Classe of stockage: 11 store combustible materials in packaging and mobile containers (TRGS 515)
Indication	Store in original packaging, risk to confusion!

### 8. Exposure controls/personal protection

Control parameters	Dust (OEL): specific substance:	Total Dust Non pertinent (poussière totale)	MAK: 10 mg/m3 --
Exposure controls	The product should 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 before breaks and at the end of workday.		
Exposure limit values	not relevant		
Recommended monitoring procedures	not relevant		

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Individual protection measures	Respiratory protection: not relevant  Hand protection: In case of long term hands contact: use protective gloves 100% Nitril ( EN 374, f.ex. Dermanetril 740 from KCL GmbH, D-36124 Eichenzell.)  Eye protection: not relevant
Environmental exposure controls	The product should 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
Important health, safety and environmental information	solubility in water:	water-soluble
	pH:	4.5 - 5.5
	Apparent density:	1000 - 1200 g/l
	Relative density:	not relevant
	Flammability:	The product itself does not burn.
	Oxidizing properties:	Can support a fire.

### 10. Stability and reactivity

Reactivity:	Heating can release hazardous gases: nitrous gas (NOx), ammonia. Ammonia release by the action of alkalis or other alkaline substances possible.
Stability:	Stabel under conditions normality (show Pt. 7)
Possibility of hazardous reactions:	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: nitrous gas (NOx), 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 reproduction	no data available

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### 12. Ecological information

Ecotoxicity (for pure chemicals): Ammonium nitrate LC50 Fish (48 h): 74 mg/l; EC50 crustacea (48 h): 555 mg/l; EC50 algae 83 mg/l  
Potassium nitrate LC50 Fish (96 h): 190 mg/l; EC50 Crustacea (48 h): 490 mg/l

Toxicity for water: Water hazard class: 1 (slightly hazardous for water)

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: Packing: Can be removed also with urban waste.

Product: 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.

See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

### 14. Transport Information

#### Road transport (ADR/RID):

Proper shipping name: Mixture

Classification: UN 2071 Class 9: ammonium nitrate fertilizer.

Ammonium nitrate fertilizers: uniform non-segregating mixtures of nitrogen/phosphate or nitrogen/potash types or complete fertilizers of nitrogen/phosphate/potash type, with not more than 70 percent ammonium nitrate and not more than 0.4 percent total add.

#### 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.

#### Pictogramme (transport)



Not classified as dangerous in the meaning of transport regulation ADR/SDR

### 15. Regulatory information

Labelling: Labelling in line of EEC regulation: This product is not classified as dangerous

#### National Directives

Switzerland ChemRRV Anhang 2.6 ; ChemV und Störfallverordnung (Pt.7)

Water hazardous classe: CEA: PN3 / R-phras: R52 / CIA / WGK (D/CH): 1 (slightly hazardous to water)

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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).  
Instruction on the hazards and the protective measures using instruction manual (TRGS 555) are required with signature if just more than one minor hazard was detected.  
Mesures de protection (TRGS 500)  
matériaux combustibles stocker dans l'emballage et conteneurs mobiles (TRGS 515)

### 16. Others information

Full text of H-phrases under section 3 :

H272	May intensify fire; oxidiser.
H360	May damage fertility or the unborn child.
H302	Harmful if swallowed.

Full text of R-phrases under section 3 :

Xn	Harmful (Xn)
O	Oxidizing (O)
R 8	Contact with combustible material may cause fire
R 9	Explosive when mixed with combustible material
R 60	May impair fertility
R 61	May cause harm to the unborn child
R 22	Harmful if swallowed

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 dangereuses)  
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.