

Revision date:	07.02.2019			
Product:	Hauert Bonheur du jardin	Version / Code:	251018	1031

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

<b>Product information:</b>	Commercial product name:	<b>Hauert Bonheur du jardin</b>	REACH-Reg. Nr	EINECS/EC	CAS-Nr
	Identification:	Mixture	--	--	--
	Use identifiées:	<b>Fertilizer</b>	PC 12: Fertilisers		
<b>Company / Supplier:</b>	Hauert HBG Dünger AG, CH-3257 Grossaffoltern.	Tel.: ++041(0) 32 389 10 10			
Information:	Tel.: ++ 41 32 389 10 10	E-mail: info@hauert.com			
Emergency telephone:	Centre Suisse d' Information Toxicologique	Tel.: ++41 44 251 66 66 ou ++41 145			
<b>Trade / undertaking:</b>	Hauert Manna Düngerwerke GmbH, Hahnenbalz 35, D-90411 Nürnberg.	Tel.: +49 (0)911 9411818 0			
Information:	kontakt@hauert.com	Tel.: +49 (0)911 941 1818 0			
Emergency telephone:	Giftnotruf München - Toxikologische Abteilung der II Medizinischen Klinik, Rechts der Isar	Tel. 089 19240			

## 2. Hazards identification

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-Symbols: 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

Revision date:	07.02.2019			
Product:	Hauert Bonheur du jardin	Version / Code:	251018	1031

### 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 applicabel				

\*) 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 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 deink plenty of water. may cause nausea, 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.

Revision date:	07.02.2019			
Product:	Hauert Bonheur du jardin	Version / Code:	251018	1031

#### 5. Fire-fighting measures

Extinguishing media	No special requirement. Less effective extinguishing agents: dust, sand, CO <sub>2</sub>
Combustion products/gases	Heating can release hazardous gases: Sulphur oxides (SO <sub>2</sub> , SO <sub>3</sub> ), nitrous gas (NO <sub>x</sub> )
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! Not take up the product and keep away from children and animals. Respect the set-in-edge of the label. Store apart from sources of ignition and heat.
Conditions for safe storage	Keep in a dry place, Do not store together with alkalis. Store apart from sources of ignition and heat. Avoid contact with elements corroded. Keep out of direct sunlight and heat.
Specific end use:	Fertilizers (see Section 1.)

#### 8. Exposure controls/personal protection

Control parameters	Dust (OEL): specific substance:	Total Dust Non pertinent (poussière totale)	10 mg/m <sup>3</sup> --
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		
Individual protection measures	Respiratory protection: In case of dust formation: protection with particle filter: type P95 (US) or type P1 (EU EN 143)  Hand protection:		

Revision date:	07.02.2019	Version / Code:	251018	1031
Product:	Hauert Bonheur du jardin			

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:

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

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: Granules

Coulour: not relevant

Odor: not relevant

Important health, safety and environmental information

solubility in water: Contains water-soluble components

pH: 5 - 7

Apparent density: 800 - 1200 g/l

Relative density: not relevant

Flammability: Decomposes on heating from 260 ° C approx.

Oxidizing properties: The product itself does not burn.

Explosive properties: Not explosive

Melting point: not applicable

Vapor pressure: not applicable

## 10. Stability and reactivity

Reactivity:

Heating can release hazardous gases: nitrous gas (NOx), ammonia

Stability:

Stable under conditions normality (show Pt. 7)

Possibility of hazardous

reactions:

Decompositions are not observed during the expiration period 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: nitrous gas (NOx), ammonia

## 11. Toxicological information

acute toxicity

Acute oral toxicity: LD50/oral/rat : > 2000 mg/kg

skin corrosion/irritation

After longer exposure may cause slight irritation of skin.

serious eye damage/irritation

Based on the available data and experience no classification is given (conventional method)

respiratory or skin sensitisation

Based on the available data and experience no classification is given (conventional method)

germ cell mutagenicity

no data available

carcinogenicity

no data available

reproductive toxicity

Not tested. No relevant data available.

STOT-single exposure

no data available

STOT-repeated exposure

no data available

aspiration hazard

no data available

## 12. Ecological information

Ecotoxicity (for pure chemicals):

**Safety data sheet according to (EG) Nr. 1907/2006 - 2015/830**

Revision date:	07.02.2019			
Product:	Hauert Bonheur du jardin	Version / Code:	251018	1031

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: no data available

**13. Disposal considerations**

Product intended for use out. Waste material must be disposed of in compliance with the respective national regulations. Under "www.retrologistik.com" you will find country- and substance-specific information as well as contact partners. CH: SR 814.600 and SR 814.610  
Packing: SR 814.600 and SR 814.610  
Product: Packing: Can be removed also with urban waste.  
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**

UN-Nummer: -----

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

Proper shipping name: Mixture  
Classification: Not classified as dangerous in the meaning of transport regulation ADR/SDR  
Not classified as dangerous in the meaning of transport regulation 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****National 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)  
Adjustment according to (EU) 2015/830

Water hazardous classe:

**16. Others information**

Full text of H-phrases under section 3 : No H- and EUH- phrases mentioned under Pt. 3

Revision date:	07.02.2019			
Product:	Hauert Bonheur du jardin	Version / Code:	251018	1031

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 dangereux)  
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.

Abbreviations and acronyms

OEL / DNEL Occupational Exposure Limits / Derived No-Effect Levels