according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 15 Jul 2024 Print date: 17 Feb 2025

Version: 3

Page 1/8



## Hauertkugel Balkon

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

## 1.1. Product identifier

Trade name/designation:

## Hauertkugel Balkon

## Article No.:

1094

UFI:

SYPD-1GTS-W0EW-V2GG

## 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture:

Fertilizers (soil amendments)

## 1.3. Details of the supplier of the safety data sheet

#### Supplier (manufacturer/importer/only representative/downstream user/distributor):

#### Hauert HBG Dünger AG

Dorfstrasse 12 3257 Grossaffoltern

Switzerland

**Telephone:** +41 32 389 10 10 **E-mail:** info@hauert.com **Website:** www.hauert.com

## 1.4. Emergency telephone number

Tox Info Swiss , 24h: +41 145

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories		Classification procedure
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	Calculation method.

## \* 2.2. Label elements

# Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms:



#### GHS07

Exclamation mark

#### Signal word: Warning

#### Hazard components for labelling:

Eisen(II)sulfat

Hazard statements for health hazards	
H319	Causes serious eye irritation.

### Supplemental hazard information: none

Precautionary statements Prevention		
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/	

Precautionary stat	Precautionary statements Response		
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
P337 + P313	If eye irritation persists: Get medical advice/attention.		

## Special rules for supplemental label elements for certain mixtures:

31,3 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (inhalative).

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 15 Jul 2024 Print date: 17 Feb 2025

Version: 3



## Hauertkugel Balkon

## 2.3. Other hazards

No data available

## **SECTION 3: Composition/information on ingredients**

#### \* 3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 6484-52-2 EC No.: 229-347-8 REACH No.: 01-2119490981-27-0000	ammonium nitrate Eye Irrit. 2 (H319), Ox. Sol. 3 (H272)  Other Toxicity Estimate ATE (oral) 2,950 mg/kg ATE (dermal) > 5,000 mg/kg	18 - < 40 weight-%
CAS No.: 7720-78-7 EC No.: 231-753-5 Index No.: 026-003-00-7	Eisen(II)sulfat Acute Tox. 4 (H302), Eye Irrit. 2 (H319), Skin Irrit. 2 (H315)  Warning Acute Toxicity Estimate ATE (oral) = 1,520 mg/kg	0 - < 1.13 weight-%

Full text of H- and EUH-phrases: see section 16.

## **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

#### **General information:**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

#### Following inhalation:

Remove casualty to fresh air and keep warm and at rest. In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still. Provide fresh air. In case of respiratory tract irritation, consult a physician.

## In case of skin contact:

Wash immediately with: Water and soap In case of skin reactions, consult a physician. After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

#### After eve contact:

Rinse immediately carefully and thoroughly with eye-bath or water. If eye irritation persists: Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Following ingestion:

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

#### Self-protection of the first aider:

Use personal protection equipment.

## \* 4.2. Most important symptoms and effects, both acute and delayed

methaemoglobinaemia Pulmonary irritation Cough Serious eye damage/eye irritation

## 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

#### Suitable extinguishing media:

Water Sand Co-ordinate fire-fighting measures to the fire surroundings.

## 5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

## **Hazardous combustion products:**

In case of fire may be liberated: Nitrogen oxides (NOx) Sulphur dioxide (SO2) Sulphur trioxide In case of fire: Gases/vapours, toxic

#### 5.3. Advice for firefighters

Use suitable breathing apparatus. Wear a self-contained breathing apparatus and chemical protective clothing.

## 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 15 Jul 2024 Print date: 17 Feb 2025

Version: 3

Hauert

## Hauertkugel Balkon

## **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

## **Personal precautions:**

Avoid dust formation. Remove persons to safety.

#### **Protective equipment:**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Wear protective gloves/protective clothing/eye protection/face protection.

#### 6.1.2. For emergency responders

#### Personal protection equipment:

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

#### For containment:

Collect spillage. Measures to prevent aerosol and dust generation Wet clean or vacuum up solids.

#### For cleaning up:

Suitable material for diluting or neutralizing: Water Water (with cleaning agent)

#### Other information:

Clear contaminated areas thoroughly.

#### 6.4. Reference to other sections

Disposal: see section 13 Safe handling: see section 7 Personal protection equipment: see section 8

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

## **SECTION 7: Handling and storage**

## \* 7.1. Precautions for safe handling

#### **Protective measures**

## Advices on safe handling:

No special handling advices are necessary. Wear personal protection equipment (refer to section 8).

#### Measures to prevent aerosol and dust generation:

Dust should be exhausted directly at the point of origin.

## Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

#### \* 7.2. Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions:

Keep locked up. Keep locked up and out of reach of children. Keep away from: Food and feedingstuffs UV-radiation/sunlight Keep container tightly closed in a cool, well-ventilated place.

Storage class (TRGS 510, Germany): 5.1C - Ammonium nitrate and preparations containing ammonium nitrate

### 7.3. Specific end use(s)

#### Recommendation:

Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

No data available

## 8.2. Exposure controls

## 8.2.1. Appropriate engineering controls

See section 7. No additional measures necessary. The national regulations for the application of fertilizers must be observed

## 8.2.2. Personal protection equipment

## Eye/face protection:

Dust protection eye glasses Eye glasses with side protection EN 166

#### Skin protection

By long-term hand contact Hand protection Suitable gloves type NBR (Nitrile rubber) EN ISO 374 Tested protective gloves must be worn Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well.

## Respiratory protection:

Respiratory protection necessary at: dust formation Filter type: FFP2 Particle filter device (EN 143)

## 8.2.3. Environmental exposure controls

No data available

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 15 Jul 2024 Print date: 17 Feb 2025

Version: 3

Page 4/8



## Hauertkugel Balkon

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

**Appearance** 

Physical state: solidColour: not determinedOdour: not determinedflammability: No

Safety relevant basis data

Parameter	Value	1 Method
		② Remark
pH	No data available	
Melting point	No data available	
Freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	not applicable	
Evaporation rate	No data available	
Auto-ignition temperature	not applicable	
Vapour pressure	No data available	
Density	No data available	
Bulk density	No data available	
Water solubility	partially soluble	

## particle characteristics:

No data available

#### 9.2. Other information

No data available

## **SECTION 10: Stability and reactivity**

## \* 10.1. Reactivity

This material is considered to be non-reactive under normal use conditions. The product itself does not burn.

#### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

## 10.3. Possibility of hazardous reactions

Thermal decomposition can lead to the escape of irritating gases and vapours.

## 10.4. Conditions to avoid

Avoid high temperatures or direct sunlight.

## 10.5. Incompatible materials

No data available

## 10.6. Hazardous decomposition products

Decomposition products in case of fire: see section 5. In case of fire: Gases/vapours, toxic

## SECTION 11: Toxicological information

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

**ammonium nitrate** CAS No.: 6484-52-2 EC No.: 229-347-8 **LD<sub>50</sub> oral:** 2,950 mg/kg (Rat)

**LD<sub>50</sub> dermal:** >5,000 mg/kg (Rat)

**Eisen(II)sulfat** CAS No.: 7720-78-7 EC No.: 231-753-5

**LD**<sub>50</sub> **oral:** =1,520 mg/kg

#### Acute oral toxicity:

Based on available data, the classification criteria are not met.

## Acute dermal toxicity:

Based on available data, the classification criteria are not met.

## Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

## Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

## Serious eye damage/irritation:

Causes serious eye irritation.

## Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 15 Jul 2024 Print date: 17 Feb 2025

Version: 3

D. . . E (0



## Hauertkugel Balkon

#### Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

## Carcinogenicity:

Based on available data, the classification criteria are not met.

#### Reproductive toxicity:

Based on available data, the classification criteria are not met.

## STOT-single exposure:

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure:

Based on available data, the classification criteria are not met.

#### Aspiration hazard:

Based on available data, the classification criteria are not met.

#### **Additional information:**

No data available

#### 11.2. Information on other hazards

No data available

## **SECTION 12: Ecological information**

#### \* 12.1. Toxicity

**ammonium nitrate** CAS No.: 6484-52-2 EC No.: 229-347-8

LC<sub>50</sub>: 447 mg/L 2 d (fish)

EC<sub>50</sub>: 490 mg/L 2 d (crustaceans)

EC<sub>50</sub>: 1,700 mg/L (Algae/water plant)

#### \* 12.2. Persistence and degradability

**ammonium nitrate** CAS No.: 6484-52-2 EC No.: 229-347-8

Biodegradation: Yes, rapidly

## 12.3. Bioaccumulative potential

No data available

#### 12.4. Mobility in soil

No data available

## \* 12.5. Results of PBT and vPvB assessment

**ammonium nitrate** CAS No.: 6484-52-2 EC No.: 229-347-8

Results of PBT and vPvB assessment: —

**Eisen(II)sulfat** CAS No.: 7720-78-7 EC No.: 231-753-5

Results of PBT and vPvB assessment: -

## 12.6. Endocrine disrupting properties

No data available

#### 12.7. Other adverse effects

No data available

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

## 13.1.1. Product/Packaging disposal

## Waste codes/waste designations according to EWC/AVV

## Waste code product

02 01 08 \* Agrochemical waste containing hazardous substances

\*: Evidence for disposal must be provided.

## Waste code packaging

15 01 06 mixed packaging

## Waste treatment options

## Appropriate disposal / Product:

Use up residual quantities according to application recommendation or hand over to an authorized disposal company Consult the appropriate local waste disposal expert about waste disposal.

## Appropriate disposal / Package:

Cleaned packaging can be disposed of with municipal waste or recycled uncleaned in accordance with local regulations.

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 15 Jul 2024 Print date: 17 Feb 2025

Version: 3



## Hauertkugel Balkon

## **SECTION 14: Transport information**

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID nui	mber		_
UN 2071	UN 2071	UN 2071	UN 2071
14.2. UN proper shipping	name		
AMMONIUM NITRATE BASED FERTILIZER	AMMONIUM NITRATE BASED FERTILIZER	AMMONIUM NITRATE BASED FERTILIZER	AMMONIUM NITRATE BASED FERTILIZER
14.3. Transport hazard cla	ss(es)		•
No data available	No data available	9	9
14.4. Packing group			
		III	III
14.5. Environmental hazaı	rds		•
No	No	No	No
14.6. Special precautions	for user		
<b>Special Provisions:</b> 193	Special Provisions: 193	Special Provisions: 193	Special Provisions: A90
Limited quantity (LQ): Anmerkung des Verlags: O Text BGBI. – kein Eintrag in dieser Zelle. Classification code: M11	Limited quantity (LQ): Anmerkung des Verlags: Lt. Bekanntmachung der Neufassung der Anlage zum ADN vom 10.11.2021 bleibt dieses Feld ohne Eintrag.  Excepted Quantities (EQ): Anmerkung des Verlags: Lt. 9. ADN- Änderungsverordnung vom 14.12.2022 bleibt dieses Feld ohne Eintrag.  Classification code: M11	Limited quantity (LQ): 5 kg Excepted Quantities (EQ): E1 EmS-No.: F-H, S-Q	Limited quantity (LQ): Y958 Excepted Quantities (EQ): E1

## 14.7. Maritime transport in bulk according to IMO instruments

No data available

## **SECTION 15: Regulatory information**

# \* 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture 15.1.1. EU legislation

#### **Authorisations:**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with amending Regulation (EU) 2020/878. EU legislation (EC) No 2003/2003 of the European Parliament and of the Council of 13 October 2003 relating to fertilizers (Fertilizers Regulation) Labelling according to Regulation (EC) No. 1272/2008 [CLP]

#### Other regulations (EU):

TRGS 201 TRGS 400 TRGS 510 TRGS 401 TRGS 500 TRGS 511 TRGS 555

## 15.1.2. National regulations

## [CH] National regulations

## Other regulations, restrictions and prohibition regulations

ChemRRV SR 814.81

Limit value cadmium for mineral fertilizers (50 mg Cd / kg P) or organic fertilizers (1 g / t DM)

ChemV SR 813.11

StFV SR 814.012

Dünger-Verordnung (DüV SR 916.711)

Düngerbuch-Verordnung (DüBV SR 916.171.1)

Codierung von Abfällen gemäss VeVa SR 814.610.1

### 15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 15 Jul 2024 Print date: 17 Feb 2025

Version: 3



## Hauertkugel Balkon

## **SECTION 16: Other information**

## 16.1. Indication of changes

1.1.	Product identifier
2.1.	Classification of the substance or mixture
2.2.	Label elements
3.2.	Mixtures
4.1.	Description of first aid measures
4.2.	Most important symptoms and effects, both acute and delayed
5.1.	Extinguishing media
6.1.	Personal precautions, protective equipment and emergency procedures
7.1.	Precautions for safe handling
7.2.	Conditions for safe storage, including any incompatibilities
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
10.1.	Reactivity
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.1.	Toxicity
12.2.	Persistence and degradability
12.5.	Results of PBT and vPvB assessment
14.3.	Transport hazard class(es)
14.6.	Special precautions for user
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.2.	Abbreviations and acronyms
16.4.	Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
16.5.	List of relevant hazard statements and/or precautionary statements from sections 2 to 15

#### 16.2. Abbreviations and acronyms

ADN	European Agreement	concerning the International	Carriage of Dangerous	Goods by Inland Waterways
-----	--------------------	------------------------------	-----------------------	---------------------------

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging

DIN German Institute for Standardization / German Industrial Standard

**DNEL** derived no-effect level

Effective Concentration 50%  $EC_{50}$ **ECHA** European Chemicals Agency European Standard ΕN

**EWC** European Waste Catalogue

International Civil Aviation Organization **ICAO IMDG** International Maritime Dangerous Goods IMO International Maritime Organization ISO International Standards Organisation KG body weight

Lethal (fatal) Concentration 50%  $LC_{50}$ 

 $\mathsf{LD}_{50}$ Lethal (fatal) Dose 50% Maximum concentration in the workplace air (CH) MAK

NFPA National Fire Protection Association PBT persistent and bioaccumulative and toxic **PNEC** Predicted No Effect Concentration

REACH Registration, Evaluation and Authorization of Chemicals RID Dangerous goods regulations for transport by rail

TRGS Technische Regeln für Gefahrstoffe

UN United Nations

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

#### 16.3. Key literature references and sources for data

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work SUVA.ch; limit values at the workplace

CH: SR 822.111: Ordinance 1 to the Labor Law (ArGV 1)

TRGS900, limit values in the air at the workplace "Air limit values

**GESTIS** substance database

Safety data of the manufacturer / raw material supplier

**REACH regulation** 

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 15 Jul 2024 Print date: 17 Feb 2025

Version: 3

Page 8/8



# Hauertkugel Balkon

**CLP Regulation** 

\* 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	Calculation method.

st  $oxed{16.5}$ . List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

## 16.6. Training advice

No data available

#### 16.7. Additional information

No data available

<sup>\*</sup> Data changed compared with the previous version.