

## Safety Data Sheet

according to UK REACH Regulation

### Fabroton Universal

Revision date: 16.02.2022

Page 1 of 9

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

### 1.1. Product identifier

Fabroton Universal

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

#### Use of the substance/mixture

Fertilizers

Restricted to professional users.

#### Uses advised against

Consumer uses: Private households (= general public = consumers)

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

Company name: GEFA Produkte Fabritz GmbH

Street: Elbestraße 12

Place: D-47800 Krefeld

Telephone: +49 / 2151 / 494749

Telefax: +49 / 2151 / 494750

e-mail: info@gefafabritz.de

### 1.4. Emergency telephone

+49 / 2151 / 494749 Only available during office hours.

number:

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

### 2.2. Label elements

#### GB CLP Regulation

#### Special labelling of certain mixtures

EUH204

Contains isocyanates. May produce an allergic reaction.

EUH210

Safety data sheet available on request.

### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
6484-52-2	ammonium nitrate			5 - < 10 %
	229-347-8		01-2119490981-27	
	Ox. Sol. 3, Eye Irrit. 2; H272 H319			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
6484-52-2	229-347-8	ammonium nitrate	5 - < 10 %
		oral: LD50 = 2217 mg/kg	

**Safety Data Sheet**

according to UK REACH Regulation

**Fabroton Universal**

Revision date: 16.02.2022

Page 2 of 9

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

When in doubt or if symptoms are observed, get medical advice.

**After inhalation**

Provide fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.

**After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink 1 glass of water. Never give anything by mouth to an unconscious person or a person with cramps. Call a doctor if you feel unwell.

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

Handling larger quantities: slightly irritant but not relevant for classification.

Inhalation: Irritation to respiratory tract

Skin contact, Eye contact: Causes skin and eye irritation.

oral: Gastrointestinal complaints

**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**

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

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

Non-flammable. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

In case of fire may be liberated: Pyrolysis products, toxic. Metal oxide smoke, toxic.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Full protection suit.

**Additional information**

Suppress gases/vapours/mists with water spray jet. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Remove persons to safety. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes.

**For non-emergency personnel**

Wear personal protection equipment. Provide adequate ventilation. Avoid dust formation.

**For emergency responders**

Wear personal protection equipment.

## Safety Data Sheet

according to UK REACH Regulation

### Fabroton Universal

Revision date: 16.02.2022

Page 3 of 9

#### **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**

Stop leak if safe to do so.

##### **For cleaning up**

Take up mechanically. Take up dust-free and set down dust-free.

##### **Other information**

Treat the recovered material as prescribed in the section on waste disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Wear personal protection equipment.

##### **Advice on protection against fire and explosion**

Usual measures for fire prevention.

##### **Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

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

##### **Requirements for storage rooms and vessels**

Keep container tightly closed. Keep in a cool, well-ventilated place.

##### **Hints on joint storage**

Do not store together with: Oxidising agent, strong, material, combustible.

##### **Further information on storage conditions**

Avoid dust formation.

Avoid: UV-radiation/sunlight, Humidity.

#### **7.3. Specific end use(s)**

Fertilizers

Restricted to professional users.

### SECTION 8: Exposure controls/personal protection

#### **8.1. Control parameters**

##### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
-	Iron salts (as Fe)	-	1		TWA (8 h)	WEL
-		-	2		STEL (15 min)	WEL
-	Manganese: its inorganic compounds (as Mn, inhalable fraction)	-	0.2		TWA (8 h)	WEL
-	Manganese: its inorganic compounds (as Mn, respirable fraction)	-	0.05		TWA (8 h)	WEL

## Safety Data Sheet

according to UK REACH Regulation

### Fabroton Universal

Revision date: 16.02.2022

Page 4 of 9

#### PNEC values

CAS No	Substance	
Environmental compartment		Value
6484-52-2	ammonium nitrate	
Micro-organisms in sewage treatment plants (STP)		18 mg/l
7785-87-7	manganese sulphate	
Freshwater		0,013 mg/l
Marine water		0 mg/l
Freshwater sediment		84 mg/kg
Marine sediment		0,001 mg/kg
Micro-organisms in sewage treatment plants (STP)		25,1 mg/kg
Soil		25,1 mg/kg

#### 8.2. Exposure controls



##### Appropriate engineering controls

Provide adequate ventilation.

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Eye protection (DIN EN 166)

##### Hand protection

Tested protective gloves must be worn (EN ISO 374)

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Use of protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

##### Thermal hazards

not applicable

##### Environmental exposure controls

Avoid release to the environment.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	various *
Odour:	odourless
Odour threshold:	not applicable

#### Test method

#### Changes in the physical state

## Safety Data Sheet

according to UK REACH Regulation

### Fabroton Universal

Revision date: 16.02.2022

Page 5 of 9

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
:	ASTM D 1015
Flash point:	not applicable
<b>Flammability</b>	
Solid/liquid:	not determined
Gas:	not applicable
<b>Explosive properties</b>	
The product is not: Explosive.	
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	not determined
<b>Self-ignition temperature</b>	
Solid:	not determined
Gas:	not applicable
Decomposition temperature:	not determined
pH-Value (at 20 °C):	5,9
Viscosity / dynamic:	not applicable
Viscosity / kinematic:	not applicable
Water solubility:	practically insoluble
<b>Solubility in other solvents</b>	
not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density:	not determined
Relative vapour density:	not determined
Particle characteristics:	Granulometry: 0,3 - 2,5 mm

#### 9.2. Other information

##### Information with regard to physical hazard classes

Oxidizing properties

Contains: Oxidising agent Ammonium nitrate

##### Other safety characteristics

Solid content:

not determined

Evaporation rate:

not determined

##### Further Information

\*Colour: brown, white, yellow, grey, green, pink, orange

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to

## Safety Data Sheet

according to UK REACH Regulation

### Fabroton Universal

Revision date: 16.02.2022

Page 6 of 9

the danger of dust explosion.

#### **10.4. Conditions to avoid**

Avoid: UV-radiation/sunlight, Humidity.

Remove all sources of ignition.

#### **10.5. Incompatible materials**

Oxidising agent, strong, material, combustible.

#### **10.6. Hazardous decomposition products**

In case of fire may be liberated: Pyrolysis products, toxic. Metal oxide smoke, toxic.

### SECTION 11: Toxicological information

#### **11.1. Information on hazard classes as defined in GB CLP Regulation**

##### **Acute toxicity**

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
6484-52-2	ammonium nitrate				
	oral	LD50 mg/kg	2217	Rat	Manufacturer

##### **Irritation and corrosivity**

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

##### **Sensitising effects**

Contains isocyanates. May produce an allergic reaction.

##### **Carcinogenic/mutagenic/toxic effects for reproduction**

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.

##### **Information on likely routes of exposure**

Inhalation, Skin contact, Eye contact, oral.

##### **Practical experience**

Handling larger quantities: slightly irritant but not relevant for classification.

Inhalation: Irritation to respiratory tract

Skin contact, Eye contact: Causes skin and eye irritation.

oral: Gastrointestinal complaints

#### **11.2. Information on other hazards**

##### **Endocrine disrupting properties**

No information available.

### SECTION 12: Ecological information

#### **12.1. Toxicity**

The product is not: Ecotoxic.

#### **12.2. Persistence and degradability**

The product has not been tested.

#### **12.3. Bioaccumulative potential**

## Safety Data Sheet

according to UK REACH Regulation

### Fabroton Universal

Revision date: 16.02.2022

Page 7 of 9

The product has not been tested.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
6484-52-2	ammonium nitrate	- 3,1

#### 12.4. Mobility in soil

The product has not been tested.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

##### 14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

##### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

##### 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

#### Inland waterways transport (ADN)

##### 14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

##### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

##### 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

##### 14.1. UN number or ID number:

UN 2071

##### 14.2. UN proper shipping name:

AMMONIUM NITRATE BASED FERTILIZER

##### 14.3. Transport hazard class(es):

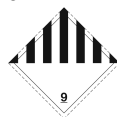
9

##### 14.4. Packing group:

III

Hazard label:

9



Marine pollutant:

no

Special Provisions:

193

Limited quantity:

5 kg

Excepted quantity:

E1

## Safety Data Sheet

according to UK REACH Regulation

### Fabroton Universal

Revision date: 16.02.2022

Page 8 of 9

EmS: F-H, S-Q  
Segregation group: 2 - ammonium compounds

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 2071  
**14.2. UN proper shipping name:** AMMONIUM NITRATE BASED FERTILIZER  
**14.3. Transport hazard class(es):** 9  
**14.4. Packing group:** III  
Hazard label: 9



Special Provisions: A90  
Limited quantity Passenger: 30 kg G  
Passenger LQ: Y958  
Excepted quantity: E1  
IATA-packing instructions - Passenger: 958  
IATA-max. quantity - Passenger: 200 kg  
IATA-packing instructions - Cargo: 958  
IATA-max. quantity - Cargo: 200 kg

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

No information available.

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

not applicable

### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):  
Entry 58, Entry 75

##### National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Abbreviations and acronyms

CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%



**Safety Data Sheet**

according to UK REACH Regulation

**Fabroton Universal**

Revision date: 16.02.2022

Page 9 of 9

EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation  
intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

**Relevant H and EUH statements (number and full text)**

H272	May intensify fire; oxidiser.
H319	Causes serious eye irritation.
EUH204	Contains isocyanates. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*