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

1.1. Product identifier
   Article No. (manufacturer/supplier) 62266002
   Trade name/designation nutriFOG
   Product code P12137

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

1.3. Details of the supplier of the safety data sheet
   supplier (manufacturer/importer/downstream user/distributor)
   AGLUKON Spezialdünger GmbH & Co. KG
   Heerdter Landstraße 199
   40549 Düsseldorf
   Germany
   Telephone: +49 (0) 211 5064 0
   Telefax: +49 (0) 211 5064 247
   Department responsible for information:
   E-mail (competent person) reach@aglukon.com

1.4. Emergency telephone number
   GIZ Mainz, POISON CENTER
   Tel.: +49 (0) 6131 19240
   Germany
   Information in English and German

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
   Classification according to Regulation (EC) No 1272/2008 [CLP]
   The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements
   Labelling according to Regulation (EC) No. 1272/2008 [CLP]
   Hazard pictograms
   Hazard statements
   not applicable
   Precautionary statements
   not applicable
   Hazard components for labelling
   not applicable
   Supplemental hazard information
   EUH210 Safety data sheet available on request.

2.3. Other hazards
   No information available.

SECTION 3: Composition / information on ingredients

3.2. Mixtures
   Description
   Classification according to Regulation (EC) No 1272/2008 [CLP]

<table>
<thead>
<tr>
<th>EC No.</th>
<th>CAS No.</th>
<th>Index No.</th>
<th>REACH No.</th>
<th>Designation classification: // Remark</th>
<th>weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>229-347-8</td>
<td>6484-52-2</td>
<td></td>
<td>01-2119490981-27-XXXX</td>
<td>Ox. Sol. 3 H272 / Eye Irrit. 2 H319</td>
<td>8 &lt; 10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ammonia nitrate</td>
<td>Specific concentration limit (SCL): Eye Irrit. 2 H319 &gt;= 80</td>
<td></td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

4.1. Description of first aid measures

In case of inhalation
Move victim to fresh air.

Following skin contact
Wash with plenty of soap and water.

After eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

Following ingestion
Rinse mouth thoroughly with water.

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

No known symptoms to date.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

The product itself does not burn.

Suitable extinguishing media
Water spray jet, Water mist, carbon dioxide, Powder

Unsuitable extinguishing media
strong water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: nitrogen oxides, Ammonia, Phosphorus oxides

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. 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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advises on safe handling
Avoid contact with skin, eyes and clothes. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Follow the legal protection and safety regulations.

Further information
No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Protect from heat and direct sunlight. Keep container tightly closed. Always keep in containers that correspond to the material
of the original container.

**Hints on joint storage**
Do not store together with: Food and feedingstuffs.

**Further information on storage conditions**
Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 40 °C.

### 7.3. Specific end use(s)
Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limit values**
not applicable

**DNEL:**
- ammonium nitrate
  
  EC No. 229-347-8 / CAS No. 6484-52-2
  
  DNEL long-term dermal (systemic), Workers: 21,3 mg/kg
  
  DNEL long-term inhalative (systemic), Workers: 37,6 mg/m³

**PNEC:**
- ammonium nitrate
  
  EC No. 229-347-8 / CAS No. 6484-52-2
  
  PNEC aquatic, freshwater: 0,45 mg/L
  
  PNEC aquatic, marine water: 0,045 mg/L
  
  PNEC aquatic, intermittent release: 4,5 mg/L
  
  PNEC sewage treatment plant (STP): 18 mg/L

### 8.2. Exposure controls

See section 7. No additional measures necessary.

**Personal protection equipment**

**Respiratory protection**
Usually no personal respirative protection necessary.

**Hand protection**
For prolonged or repeated handling the following glove material must be used: e.g. NBR (Nitrile rubber).
Thickness of the glove material: No data available. Breakthrough time: No data available.
Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin.

**Eye/face protection**
Wear closely fitting protective glasses in case of splashes.

**Body protection**
Wear suitable protective clothing, e.g. from cotton wool or heat resistant synthetic fiber.

### 8.3. Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental exposure controls**
Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

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

**Appearance:**
- Physical state: Liquid
- Colour: green

**Odour:** characteristic

**Odour threshold:** not applicable

**pH at 20 °C:** 6,8

**Melting point/freezing point:** not applicable

**Initial boiling point and boiling range:** not determined
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830

Flash point: not applicable
Evaporation rate: not applicable
flammability
  Burning time: not applicable
Upper/lower flammability or explosive limits:
  Lower explosion limit: not applicable
  Upper explosion limit: not applicable
Vapour pressure at 20 °C: not applicable
Vapour density: not applicable
Relative density:
  Density at 20 °C: 1.19 g/cm³
Solubility(ies):
  Water solubility at 20 °C: very soluble
Partition coefficient: n-octanol/water: see section 12
Auto-ignition temperature: not applicable
Decomposition temperature: not applicable
Viscosity at 20 °C: not determined

9.2. Other information
No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid
Protect from heat and direct sunlight.

10.5. Incompatible materials
Alkali (lye)

10.6. Hazardous decomposition products
Does not decompose when used for intended uses. Hazardous decomposition byproducts may form with exposure to high temperatures: nitrogen oxides, Ammonia, Phosphorus oxides

SECTION 11: Toxicological information

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

11.1. Information on toxicological effects
Acute toxicity
Based on available data, the classification criteria are not met.

Skin corrosion/irritation; Serious eye damage/eye irritation
ammonium nitrate
  eyes, Rabbit.: Evaluation Causes serious eye irritation.
  Method: OECD 405

Respiratory or skin sensitisation
Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Based on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.

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

Practical experience/human evidence

Overall Assessment on CMR properties
The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

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

Long-term Ecotoxicity
No data available.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

Bioconcentration factor (BCF)
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation
Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC
020109 Agrochemical waste other than those mentioned in 02 01 08

Appropriate disposal / Package Recommendation
Non-contaminated packages may be recycled.

SECTION 14: Transport information

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).
No dangerous good in sense of this transport regulation.

14.1. UN number
not applicable

14.2. UN proper shipping name

14.3. Transport hazard class(es)
not applicable

14.4. Packing group
not applicable

14.5. Environmental hazards
Land transport (ADR/RID) not applicable
14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advises on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

- tunnel restriction code

Sea transport (IMDG)

EmS-No. not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU legislation

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

This product is not classified according to Directive 2012/18/EU.

National regulations

Restrictions of occupation

15.2. Chemical Safety Assessment

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

SECTION 16: Other information

Full text of classification in section 3:

Ox. Sol. 3 / H272 Oxidising solids May intensify fire; oxidiser.
Eye Irrit. 2 / H319 Serious eye damage/eye irritation Causes serious eye irritation.

Abbreviations and acronyms

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL Occupational Exposure Limit Value
BLV Biological Limit Value
CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging
CMR Carcinogenic, Mutagenic and Reprotoxic
DIN German Institute for Standardization / German industrial standard
DNEL Derived No-Effect Level
EAKV European Waste Catalogue Directive
EC Effective Concentration
EC European Community
EN European Standard
IATA-DGR International Air Transport Association – Dangerous Goods Regulations
IBC Code International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code International Maritime Code for Dangerous Goods
ISO International Organization for Standardization
LC Lethal Concentration
LD Lethal Dose
MARPOL Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD Organisation for Economic Cooperation and Development
PBT persistent, bioaccumulative, toxic
PNEC Predicted No Effect Concentration
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals
RID Regulations concerning the International Carriage of Dangerous Goods by Rail
Further information
Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.