

1 Identification of the substance or mixture and of the company

1.1 Product identification

Productname : **Hydro Grow B**
 Product code :
 Product type : Liquid

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

Recommended use : For use in agriculture and horticulture
 Uses advised against : Other unspecified industry.
 Due to the lack of related experience or data, the supplier can not approve this use.

1.3 Details of the supplier of the safety data sheet

Name : BG Products B.V.
 Visiting Address : Spectrumlaan 39
 Postal code and Town : 2665 NM BLEISWIJK
 Country : The Netherlands
 Telephone number : +31 (0) 182687530
 E-mail address : info@baconline.nl
 Website : www.baconline.nl

1.4 Emergency telephone number

Name : National Poisoning Information Center
 Telephone number : +31 (0) 30 274 88 88
 Only intended to inform professional emergency services in case of acute poisoning.
 Opening hours : 24 hours a day and 7 days a week

2 Identification of the hazards

2.1 Classification of the substance or mixture

Product is not a hazardous substance according to EC directives

2.2 Label components

None

2.3 Other hazards

Based on the current state of our knowledge , professional hazards to the product can not prevent hazards for humans and the environment.

3 Composition and information about the ingredients

NPK

NPK-composition in weight percentages
 Nitrogen total - N to 4.2 %
 Nitrate - NO₃-N 4.2 %
 ammonium - NH₄-N 0.0 %
 phosphorus pentoxide P₂O₅ Water-soluble 2.9 %
 potassium oxide K₂O Water-soluble 4.8 %

Tracks

Trace elements
 Manganese (Mn) 0.011 %
 Zinc (Zn) 0.007 %
 Boron (B) 0.007 %
 Copper (Cu) 0.001 %

Molybdenum (Mo)	0.002 %
Characteristics	
Specific gravity	1,102 g/cm3

4 First aid measures

4.1 Description of first aid measures

When in doubt always consult a doctor	
Eye contact	: First rinse for a long time with plenty of water (at least 15 minutes), also under the eyelids. See a doctor..
Inhalation	: Remove victim to fresh air
Skin contact	: Remove contaminated clothing and wash the exposed skin with mild soap and water, then rinse with warm water.
Swallow	: If swallowed, drink plenty of water (about 500 ml) immediately and consult a doctor. Never induce vomiting. See a doctor.

4.2 Most important acute and delayed symptoms and effects

<u>Potential acute health effects</u>	:
Eye contact	: irriterend voor de ogen
Inhalation	: no typical symptoms and effects are known
Skin contact	: no typical symptoms and effects are known
Swallowing	: no typical symptoms and effects are known

<u>Signs / symptoms of overexposure</u>	:
Eye contact	: no typical symptoms and effects are known (if the eyes are rinsed with water)
Inhalation	: no typical symptoms and effects are known
Skin contact	: no typical symptoms and effects are known
Swallowing	: no typical symptoms and effects are known

4.3 Indication of the immediate medical attention and special treatment required

Notes to physician	: NPK solution , pH 2 - 6
Specific treatments	: No additional information available

5 Fire-fighting measures

5.1 Extinguishing media

Product is not flammable	
Suitable extinguishing media	: All extinguishing media allowed
Unsuitable extinguishing media	: Not known

5.2 Special hazards arising from the substance or mixture

not determined

5.3 Advice for firefighters

Special protective equipment for fire-fighters	: S36: Wear suitable protective clothing. Use breathing apparatus.
Additional information	: Not available

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes, wear protective clothing, gloves and face protection.

6.2 Environmental precautions

Product may not be distributed in the environment. Thoroughly inflate spilled product

6.3 Methods and material for containment and cleaning up

Dilute with plenty of water.

6.4 Reference to other sections

See sections 8 and 13

7 Handling and storage

7.1 Precautions for safe handling of the substance or mixture

The usual precautions for the use of chemical products must be observed

Protective measures : Wear personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Recommendations : Store in original packaging.

Store in a dry, well-ventilated room.

7.3 Specific end use

Recommendations : For professional use, no specific measures required

8 Exposure controls / personal protection

The information in this section contains general advice and guidelines. The list of Recommended uses in Section 1 must be consulted for any specific use that is available in the Exposure Scenario (s).

8.1 Control parameters

Exposure limits for this product are not known.

8.2 Exposure controls

The usual precautions for handling chemicals are to be observed. Avoid prolonged contact with the skin.

9 Physical and chemical properties

9.1 Information about basic physical and chemical properties

Physical state	: Liquid
Color	: Clear
Odor	: Odorless
pH	: 2 - 6 (depending on the composition)
Melting point / freezing point	: < 8 degrees Celsius (depending on the composition)
Flash point	: Not determinated

9.2 Other information

- Soluble in water
- Mixture is corrosive to metals

10 Stability and reactivity

10.1 Reactivity

No dangerous reactions known under normal conditions

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possible hazardous reactions

No dangerous reactions known under normal conditions

10.4 Conditions to avoid

No specific recommendations

10.5 Incompatible materials

Not known

10.6 Hazardous decomposition products

Contact with bases can release toxic Ammonia gas

11 Toxicological information

11.1 Information on toxicological effects

Presumably no irritating product

Acute toxiciteit

Conclusion / Summary

:

Non toxic

12 Ecological information

12.1 Toxicity

Conclusion / Summary

:

Non toxic

12.2 Persistence and degradability

Not known

12.3 Bioaccumulation

Not known

12.4 Mobility in the soil

Not known

12.5 Results of PBT and vPvB assessment

Not known

12.6 Other harmful effects

Not known

13 Instructions for disposal

13.1 Waste treatment methods product

Removal methods

: Dispose of in accordance with local regulations.

Packaging

: Rinse with water. Contact supplier / producer about reuse.

14 Information relating to transport

According to the applicable transport regulations, the product is not classified as a hazardous product..

Determination : ADR/RID

According to the applicable transport regulations, the product is not classified as a hazardous product.

Provision : ADN

According to the applicable transport regulations, the product is not classified as a hazardous product.

Regulation: IMDG

According to the applicable transport regulations, the product is not classified as a hazardous product.

Regulation: IATA

According to the applicable transport regulations, the product is not classified as a hazardous product..

15 Regulation

15.1 Specific safety, health and environmental regulations and legislation for the substance or mixture

Other EU regulations : Labeling in accordance with EC directives

15.2 Chemical safety assessment

16 Other information

Full text of classifications [CLP / GHS

none

Full text of classifications [Dangerous substances directive / Dangerous Preparations Directive]

none

Date of issue / Date of revision

20-07-2018

Date of previous issue

30-05-2016

Version

02-2019

Compiled by

BG Products B.V.

Notice to the reader

To our knowledge, the information contained in this Summary of Safety Measures is correct until the date of publication. This information is given m.h.o. on safety advice, and only relates to the products and use specifically described herein. This information regarding a product will not necessarily be applicable when this product is used with (a) different product (s) or when the product is used in a different way than described herein, because all products may contain unknown risks and caution should be used. Only the user is responsible for the decision regarding the suitability of the product.