

1 Identification of the substance or mixture and of the company/undertaking

1.1 Product identification

Product name : Ph + growth & flower
 Product code :
 Product type : liquid
 Index number :019-002-00-8
 EG number : 215-181-3
 Reach registration number : -
 Cas number : 1310-58-3

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 cannot approve this use.

1.3 Details of the supplier of the safety data sheet

Name : Geni Investments BV
 Office address : Dennenburg 6
 Postal code and place : 3712 ED Huis ter heide (holland)
 Email adres : info@geni-investments.com
 Web site : www.geni-investments.com
 tel : +31(0)343 77 83

1.4 Emergency telephone number

Name : National Poisoning Information Center
 Telephone nr : +31(0)302748888
 : Only intended to inform professional emergency services in case of acute poisoning
 Opening hours : 24 hours a day and 7 days a week

2 Hazard identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification : Skin Corr. 1 A H314
 Acute Tox (Oral) H302

Classification according to Directive 67/548 / EEC [Dangerous Substances Directive]

2.1.2 Classification according to Directive 67/548 / EEC or 1999/45 / EC

2.1.3 Adverse physicochemical, health and environmental effects.

No relevant data available



2.2 Label components

Danger symbols

2.2.1 Labeling according to directive (EC) No 1272/2008 [CLP / GHS]
Hazard pictograms (CLP):



GHS05

GHS07

CLP Signal word: Danger

H-phrases: H314 - Causes severe skin burns and eye damage.

H302 - Harmful if swallowed.

P-phrases: P270 - Do not eat, drink or smoke when using this product.

P280 - wear protective clothing.

P301 + P330 + P331 - IF SWALLOWED: rinse mouth - DO NOT induce vomiting.

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 - IF IN EYES: rinse gently with water for several minutes; remove contact lenses if possible; keep rinsing.

P273 - Avoid release to the environment

2.2.2 Labeling according to directive 67/548 / EEC or 1999/45 / EC

Symbol (s):



C - Corrosive

R Phrase (s):

R35 -

S Phrase (s): S1 / 2 -

S26 -

S36 / 37/39 -

S45 -

possible)

R22 - Harmful if swallowed.

Causes severe burns

Keep locked up and out of reach of children.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing, gloves and eye / face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where

2.3 Further hazards

Substance meets the criteria for PBT : Does not apply.

3 Composition and information on ingredients.

3.1 Fabrics. Does not apply.

Product identification (CAS No.) 1310-58-3 (EC No.) 215-181-3. Classification according to Directive 67/548 / EEC
Potassium hydroxide (EU identification number) 019-002-00-8. " - 50 Xn; R22 C; R35.

Product identification (CAS No.) 1310-58-3 (EC No.) 215-181-3 Classification according to Directive (EC) No
Potassium hydroxide (EU identification number) 019-002-00-8. - 50 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314

4 First Aid measures

4.1 Description of the First Aid measures

If in doubt, always consult a doctor

Eye contact :

Immediately flush eyes with running water for at least 15 minutes while keeping the eyelids open. Consult a doctor immediately

Inhalation

In case of inhalation, remove to fresh air. If the patient is not breathing, is breathing irregularly, or if respiratory arrest is occurring, artificial respiration or oxygen should be given by trained personnel. Consult a doctor immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15

minutes, wash with soap and water, removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Consult a doctor immediately.

Ingestion : If large quantities of this material are swallowed, seek medical advice immediately. Do not induce vomiting unless medical personnel indicate that this is necessary. Never give anything by mouth to an unconscious person

Protection of first aid workers : No action may be taken if there is a risk of personal accidents or in case of insufficient training. If it is suspected that vapors are still present, the rescue worker must wear a suitable mask or independent breathing apparatus. This can be dangerous for those who use mouth-to-mouth respiration. Wash contaminated clothing thoroughly with water before removing it or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute effects for human health:

Eye contact : Causes serious eye damage

Ingestion :

Vapor causes serious irritation to eyes and respiratory tract. May cause irritation to eyes, nose, mouth and throat. Exposure to decomposition products may cause a health hazard. After exposure, serious consequences with delay may occur.

Signs/symptoms of excessive exposure:

Eye contact : Unwanted symptoms can include the following: pain, tears, red heath

Inhalation : no typical symptoms and effects are known

Skin contact : Adverse symptoms may include the following: pain or irritation, redness, blistering may occur

Ingestion : Adverse symptoms may include the following: stomach pains
Adverse symptoms may include the following: stomach pains

4.3 Indication of any immediate medical attention and special treatment required

No relevant data available

5 Fire-fighting measures

5.1 Extinguishing agents

Suitable extinguishing agents : Use adequate means to combat adjacent fires. Do not use water..

5.2 Particular hazards arising from the substance or mixture.

Specific risks: release heat and harmful smoke

Hazardous reactions: Reacts strongly with water, acids (exothermic reaction)

5.3 Advice for firefighters. No relevant data available



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6 Measures in the event of accidental release of the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency care providers

Protective equipment: The scattering surface must be cleaned up by trained cleaning personnel, equipped with respiratory and eye protection.

6.1.2 For emergency care providers
No relevant data available.

6.2 Environmental precautions

Do not allow to enter drains or public waters. Avoid penetration into the ground 6.3 Methods and material for containment and cleaning up.

6.3 Methods and material for containment and cleaning up

: Stop leak, if possible without risk for staff. Clean up spilled product as quickly as possible by using an absorbent product. Use suitable waste containers. Inform the government if this product enters a sewer or open water. Small spills Neutralize with hydrochloric acid

6.4 Reference to other sections.

No relevant data available

7 Handling and storage

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

7.1 Precautions for safe handling of the substance or mixture

Protective measures. : No relevant data available

7.2 Conditions for safe storage, including any incompatibility of products

Packaging material: Iron. Plastics. Glass. Porcelain

7.3 Specific end use

No relevant data available

8 Exposure controls/personal protection.

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

8.1 Control parameters

No relevant data available

8.2 Exposure controls:

Eye protection: Chemical goggles or face protection with safety glasses.

Skin protection: Depending on the conditions of use, wear protective gloves, an apron, boots, head and face protection.

Recommended material Butyl rubber,. Neoprene. Rubber. .

Respiratory protection: No special respiratory protection is recommended under normal conditions of use with adequate ventilation.

Approved dust or mist respirator must be used if dust particles are formed in the air during handling of this product. (ilt. P2).

9 Physical and chemical properties.

9.1 Information on basic physical and chemical properties.

Physical state.	: liquid
Color	: Colorless.
Odor threshold	: 0,29 ppm
pH	: 14
Initial boiling point and boiling range	: 145 °C
Density	: 1.525 kg/l
Solubility in water	: fully
Viscosity	: 0.0087 Pa.s

9.2 Other information

No additional information.

10 Stability and reactivity

10.1 Reactivity

May be corrosive to metals. Expert assessment

10.2 Chemical stability

Stable under normal conditions. Contact with air is unstable

10.3 Possible hazardous reactions

No additional information.

10.4 Circumstances to avoid

No additional information.

10.5 Chemically interacting materials

Metal. Aluminum and its alloys. Tin. Zinc May release flammable gases. Hydrogen. Ammonium salts. (Ammonia).
Acetone. Chloroform

10.6 Hazardous decomposition products

Corrosive fumes

11 Toxicological data

11.1 Information on toxicological effects

Skin irritation / irritation: Causes severe skin burns and eye damage.
Acute toxicity: Harmful if swallowed.

Potassium hydroxide lye 50% (1310-58-3)

Oral (rat) LD50 : 273
result : LC50 Inhalation.
ATE (oral) : 500,00000 mg/kg

Potassium hydroxide (1310-58-3) :

LC50-96 Hour - fish : No data available.
48 Hour EC50 - Daphnia magna : No data available.

12 Ecological data

12.1 Toxicity

Environmental effects : Avoid release to the environment

Potassium hydroxide lye 50 (1310-58-3)

LC50-96 Hour - fish : No data available.

Potassium hydroxide (1310-58-3)

LC50-96 Hour - fish : 80 mg/l

12.2 Persistence and degradability : No relevant data available.

12.3 Bioaccumulation

Potassium hydroxide Loog 50 (1310-58-3)

Bioaccumulative Potential : Does not apply

12.4 Mobility in soil : Does not apply.

12.5 Results of PBT and vPvB assessment

PBT : Does not apply

zPzB : Does not apply

12.6 Other harmful effects : Does not apply.



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13 Waste treatment methods

13.1 :Waste treatment methods

Waste treatment methods : Neutralize with acid. Dispose in a safe manner in accordance with local / national regulations.

Additional information: : The packaging used is intended solely for packaging this product. When it concerns a return packaging, the empty packaging can be offered back to the supplier. After last use, empty the packaging and close it properly

14 Information relating to transpor

Provisions: ADR/RID

14.1 VN- number : 1814

14.2 Proper shipping name in accordance with the model regulations of the UN. : Potassium HDROXIDE, SOLUTION

14.3 Transport hazard class (es).

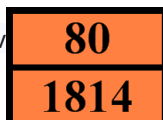
14.3.1 Land transport

Class (ADR) : 8 - Corrosive substances

Hazard Number (Kemler No.) : 80

Classification code : C5

ADR Labeling : 8 - Corrosiv



identiOrange identification board :

Tunnel restriction code : E

Limited quantities (ADR) : L22

Excepted uantities (ADR) : E2

14.3.2 Transport on the open sea

No relevant data available

14.3.3 Air transport

Packing instruction for cargo aircraft: 813

Passenger aircraft packaging instruction: 809/809

14.4 Packing group

Packing group : II

14.5 Environmental hazards : Other information: Packing group 14.6 Special precautions for the user

14.6 Bulk transport in accordance with Annex II of the MARPOL agreement 73/78 and IBC code. :No relevant data available.

15 Regulations

15.1 Health, safety and environmental regulations/legislation specific to the substance or mixture

15.1.1 EU requirements : No relevant data available.

15.1.2 National regulations : No relevant data available.

15.2 Chemical safety assessment

No relevant data available

16 Overige informatie

Full text of the hazard statements and safety recommendations

- Acute Tox (Oral)	Acute toxicity (Oral) Category 4
- Skin Corr 1 A	skin irritation / irritation category 1 A
- H302	harmful if swallowed
- H314	causes severe burns and eye damage
- R22	Harmful if swallowed
- R35	causes severe burns

It is the user's own responsibility to take the precautionary measures stated, and to ensure that this information is complete and adequate for the use of the product.

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Compiled by Geni Investmenst B.V.

Notification to the reader

To the best of our knowledge, the information contained in this Overview of safety Measures is correct until the date of publication. This information is given to safety advice, and only relates to the products and use specifically as described. This information regarding a product will not necessarily be applicable when this product is used with (a) other product(s) or when the product is applied in a different way than described, because all products can present unknown risks and with caution must be used. Only the user is responsible for the decision regarding the suitability of the product.



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