

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY / UNDERTAKING

Product name: CANNA pH-Grow

Address: Canna International BV
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The Netherlands

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name: Nitric acid solution

HAZARDOUS INGREDIENT	% (w/w)	CAS nr	Einecs nr	Symbol	R-phrases
Nitric acid	38	7697-37-2/65	231-714-2	C	R 35

3. HAZARDS IDENTIFICATION

The product is corrosive to eyes and skin, causes severe burns. Do not breath gas/ fumes/ vapour/ spray.

Eye contact: Corrosive, causes pain, poor sight
Skin contact: Corrosive, causes pain, burns
Inhalation: Corrosive causes shortness of breath, coughing
Ingestion: Corrosive, causes stomach-ache, sore throat

4. FIRST-AID MEASURES

Eye contact: Wash out immediately with plenty of water (minimal 15 minutes). Seek medical advise

Skin contact: Take off immediately all contaminated clothing. Wash with plenty of water. Seek medical treatment

Inhalation: Fresh air, half sitting, position, do not evoke vomiting, drink milk or water and transport to hospital

Ingestion: Drink a copious amount of water, seek medical treatment

5. FIRE-FIGHTING MEASURES

Water based ingredients. Non- combustible.
Extinguishing media: all media allowed.
Mixing nitric acid with water produces heat, and can lead to the forming of toxic gasses (nitrogen oxides.)

6. ACCIDENTAL RELEASE MEASURES

Do not allow to enter drains, sewers or watercourses. Absorb spillage onto sand, earth or any suitable adsorbent material (do not use saw dust) or neutralize with bicarbonate e.g. soda (sodium carbonate; this causes a exothermic reaction!). Wait for several hours and wash the area with water. Transfer to a container for disposal.

7. HANDLING AND STORAGE

Handling: Do not add water to the product (always add product to water)
Use personal protection.
Avoid contact with skin or eyes.

Storage: Do not store in the presence of organic materials, reducing agents, strong bases and heat or fire sources.
Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personnel protection: ensure proper ventilation ; wear eye/face protection; wear gloves; wear protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Translucent to yellow-brown
Odour:	Stingy
pH (value):	<1
Melting point (deg C):	-33
Density (kg/l):	1.24
Solubility (water):	100 %

10. STABILITY AND REACTIVITY

Stability: stable under normal conditions.
Materials to avoid: reducing agents, copper, brass, bronze, cotton, organic material.
Dangerous decomposition products: nitrogen oxides (NO_x)

11. TOXICOLOGICAL INFORMATION

Inhalation: NO_x: LC 50/ breathing/ 4 hours/rat= 67 ppm.
Skin contact: Causes severe burns
Eye contact: May lead to irreversible eye damage
Ingestion: May cause irreversible effects.

12. ECOLOGICAL INFORMATION

Decomposition: Biological degradable
Bio-accumulation: Does not occur
Mobility: Water soluble; fast diversion takes place
Ecotoxicity: Damaging effects on water organisms. Keep out of waterways and groundwater.

13. DISPOSAL CONSIDERATIONS

Polluted packing: Rinse with water
Remainders: Neutralise with soda (strong reaction) and mix residue with soil or sand. Also possible is to dilute with large amounts of water. Disposal should be in accordance with local, state and national legislation.

14. TRANSPORT INFORMATION

Ensure the product is clean before loading the product.
EG-index-number.: 007-004-00-1
UN number.: 2031
ADR/RID class: 8.2b
INO/INDG class: 8
ICAO/IATA class: 8

15. REGULATORY INFORMATION

Symbol(s): C- Corrosive
R-Phrase R35 Causes severe burns
S-Phrases S1/2 Keep locked up and out of reach children.
S23 Do not inhale vapours
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
S36 Wear suitable protective clothing
S45 In case of accident or if you feel unwell seek medical advise immediately (show this label if possible)

16. OTHER INFORMATION

The data are based on present knowledge. However they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.