

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

<b>Product name:</b>	Flower Power fertilizers CPRO7
<b>EC number:</b>	239-289-5
<b>REACH Registration number:</b>	01-2119493947-16
<b>CAS number:</b>	15245-12-2
<b>Product type:</b>	Solid (Prills )
<b>Other means of identification:</b>	nitric acid, ammonium calcium salt

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

Industrial distribution.  
Professional formulation of fertiliser products.  
Professional USE as fertiliser at Farm - loading and spreading (includes soil conditioning).  
Industrial USE to formulate fertilisers product mixtures.  
Professional USE as fertiliser in Greenhouse (e.g. Fertigation, includes pH control of fertiliser solution with acid).  
Professional USE as liquid fertiliser in open field (e.g. Fertigation).  
Professional USE as fertiliser - maintenance of equipment.

**USES ADVISED AGAINST**

Uses advised against:	Other non-specified industry
Reason:	Due to lack of related experience or data, the supplier cannot approve this use.

**1.3 Details of the supplier of the safety data sheet**

<b>Company/undertaking identification</b>	flowerpowerfertilizers.com
<b>Manufacturer / Supplier:</b>	Postbus 213 1000 AE Amsterdam The Netherlands E: info@flowerpowerfertilizers.com

<b>Emergency telephone number:</b>	0031 30 274 88 88 (24h – only for medical professionals)
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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition:** Mono-constituent substance

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

**Classification:** Acute Tox.4, H302  
Eye Dam./Irrit.1, H318

#### Classification according to Directive 67/548/EEC [DSD]

**Classification:** Xn, R22  
Xi, R41

**Physical/chemical hazards:** Not applicable.

**Human health hazards:** Harmful if swallowed. Risk of serious damage to eyes.

**Environmental hazards:** Not applicable.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Hazard pictograms:**



**Signal word:**

Danger

**Hazard statements:**

Harmful if swallowed. Causes serious eye damage.

#### Precautionary statements

**Prevention:**

Wear protective gloves and eye protection. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

**Supplemental label elements:**

Not applicable.

**EU Regulation (EC) No.:  
1907/2006 (REACH) Annex XVII  
-Restrictions on the manufacture,  
placing on the market and use of  
certain dangerous substances,  
mixtures and articles**

Not applicable.

#### Special packaging requirements

**Containers to be fitted with:  
child-resistant fastenings**

Not applicable.

**Tactile warning of danger:  
child-resistant fastenings**

Not applicable.

## 2.3 Other hazards

**Substance meets the criteria for PBT :  
according to Regulation  
(EC) No. 1907/2006, Annex XIII**

Not applicable.

**Substance meets the criteria for vPvB :  
according to Regulation (EC)  
No. 1907/2006, Annex XIII**

Not applicable.

**Other hazards which do not result :  
in classification**

Product forms slippery surface when combined with water.

## SECTION 3: Composition/information on ingredients

**Substance/mixture:**

Mono-constituent substance

Ingredient name	Identifiers	%	Classification		Type
nitric acid, ammonium calcium salt	RRN: 01-2119493947-16 EC: 239-289-5 CAS : 15245-12-2	100	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	[A]
			Xn; R22 Xi; R41	Acute Tox. 4 H302 Eye Dam./Irrit. 1 H318	

### Type

[A] Constituent

[B] Impurity

[C] Stabilizing additive

See Section 16 for the full text of the R phrases or H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Eye contact:**

Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. Check for and remove any contact lenses. Get medical attention immediately.

**Inhalation:**

If inhaled, remove to fresh air. Get medical attention immediately. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

**Skin contact:**

Wash with soap and water. Get medical attention if irritation develops.

**Ingestion:**

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Get medical attention if you feel unwell. Get medical attention if adverse health effects persist or are severe.

**Protection of first-aiders:**

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Get medical attention if you feel unwell. Get medical attention if adverse health effects persist or are severe.

**Protection of first-aiders:**

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. 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 health effects****Eye contact:**

Causes serious eye damage.

**Inhalation:**

May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Skin contact:**

No known significant effects or critical hazards.

**Ingestion:**

Harmful if swallowed. May cause burns to mouth, throat and stomach.

**Over-exposure signs/symptoms****Eye contact:**

Adverse symptoms may include the following: pain watering redness

**Inhalation:**

No specific data.

**Skin contact:**

No specific data.

**Ingestion:**

Adverse symptoms may include the following: stomach pains

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

<b>Notes to physician:</b>	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
<b>Specific treatments:</b>	No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media:</b>	Use flooding quantities of water for extinction.
<b>Unsuitable extinguishing media:</b>	Do NOT use chemical extinguisher or foam or attempt to smother the fire with steam or sand.

### 5.2 Special hazards arising from the substance or mixture

<b>Hazards from the substance or mixture:</b>	No specific fire or explosion hazard.
<b>Hazardous thermal decomposition products:</b>	Avoid breathing dusts, vapors or fumes from burning materials. In case of inhalation of decomposition products in a fire, symptoms may be delayed.
<b>Remark:</b>	Non-flammable substance.

### 5.3 Advice for firefighters

<b>Special precautions for fire-fighters:</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters:</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
<b>Additional information:</b>	None.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders:**

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

**Small spill:**

Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill:**

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

### 6.4 Reference to other sections

See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified 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

**Protective measures:**

Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene:**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## 7.2 Conditions for safe storage, including any incompatibilities

**Recommendations:**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep away from: organic materials, oil and grease.

## 7.3 Specific end use(s)

**Recommendations:**

**Not applicable.**

**Industrial sector specific solutions:**

**Not applicable.**

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 8.1 Control parameters

**Occupational exposure limits**

**No exposure limit value known.**

**Recommended monitoring procedures:**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

## DNELs/DMELs

Product / ingredient name	Type	Exposure	Value	Population	
nitric acid, ammonium calcium salt	DNEL	Long term Dermal	13,9 mg/kg bw/day	Workers	Systemic
nitric acid, ammonium calcium salt	DNEL	Long term Inhalation	98 mg/m <sup>3</sup>	Workers	Systemic

## PNECs

Product / ingredient name	Type	Compartment Detail	Value	Method Detail
nitric acid, ammonium calcium salt	PNEC	Fresh water	0.45 mg/l	Assessment Factors
nitric acid, ammonium calcium salt	PNEC	Marine	0.045 mg/l	Assessment Factors
nitric acid, ammonium calcium salt	PNEC	Intermittent release.	4.5 mg/l	Assessment Factors
nitric acid, ammonium calcium salt	PNEC	Sewage Treatment Plant	18 mg/l	Assessment Factors

## 8.2 Exposure controls

### Appropriate engineering controls:

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### Individual protection measures

#### Hygiene measures:

A washing facility or water for eye and skin cleaning purposes should be present.

#### Eye/face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommended: Tightly-fitting goggles CEN: EN166

#### Skin protection

##### Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.  
> 8 hours (breakthrough time): Protective gloves should be worn under normal conditions of use.

##### Body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

##### Other skin protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

##### Respiratory protection:

In case of inadequate ventilation wear respiratory protection.  
Recommended: Filter P2 (EN 143)

##### Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.



## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	Solid (Prills)
<b>Color:</b>	White.
<b>Color:</b>	Odorless.
<b>Odor threshold:</b>	Not determined
<b>pH:</b>	5 - 7 [Conc. (% w/w): 110 g/l ]
<b>Melting point/freezing point:</b>	400 °C
<b>Initial boiling point and boiling range:</b>	Not determine
<b>Flash point:</b>	Not determine
<b>Evaporation rate:</b>	Not determine
<b>Flammability (solid, gas):</b>	Not determine
<b>Burning time:</b>	Not determine
<b>Burning rate:</b>	Not determine
<b>Upper/lower flammability or explosive limits:</b>	Lower: Not determined Upper: Not determined
<b>Vapor pressure:</b>	Not determined
<b>Vapor density:</b>	Not determine
<b>Relative density:</b>	2,05
<b>Bulk density:</b>	Not determined
<b>Solubility(ies):</b>	> 100 g/l Easily soluble in the following materials: cold water
<b>Water solubility:</b>	> 100 g/l
<b>Partition coefficient: n-octanol/water: octanol/water</b>	Not determined
<b>Auto-ignition temperature:</b>	Not determined
<b>Viscosity:</b>	Dynamic: Not determined Kinematic: Not determined
<b>Explosive properties:</b>	None
<b>Oxidizing properties</b>	None

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability

The product is stable.

### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4 Conditions to avoid

Avoid contamination by any source including metals, dust and organic materials.

### 10.5 Incompatible materials

alkalis combustible materials reducing materials organic materials acids

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product / ingredient name	Result	Species	Dose	Method Detail	References
nitric acid, ammonium calcium salt					
	LD50 Oral	Rat	500 mg/kg 423	-	IUCLID 5
	LD50 Dermal	Rat.	> 2.000 mg/kg OECD 402	-	IUCLID 5

**Conclusion/Summary:** Harmful if swallowed.

#### Irritation/Corrosion

Product / ingredient name	Result	Species	Score	Exposure	Exposure	Exposure
nitric acid, ammonium calcium salt	Eyes - Severe irritant OECD 405	Rabbit		24 - 72 h	21 d	IUCLID 5

#### Conclusion/Summary

**Skin:** Non-irritating to the skin.  
**Eyes:** Causes serious eye damage.  
**Respiratory:** Non-irritating to the respiratory system.

#### Sensitization

##### Conclusion/Summary

**Skin:** Not sensitizing  
**Respiratory:** Not determined.

#### Mutagenicity

**Conclusion/Summary:** No mutagenic effect.

## Carcinogenicity

## Conclusion/Summary

### Reproductive toxicity

Product / ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure	References
nitric acid, ammonium calcium salt	Negative	Negative	Negative	Rat	Oral : 1500 mg/kg OECD 422	53 days	IUCLID 5

**Conclusion/Summary:** No known significant effects or critical hazards.

### Teratogenicity

**Conclusion/Summary** No known significant effects or critical hazards.

**Information on the likely routes of exposure** No known significant effects or critical hazards.

### Potential acute health effects

**Inhalation:** May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Ingestion:** Harmful if swallowed. May cause burns to mouth, throat and stomach.

**Skin contact:** No known significant effects or critical hazards.

**Eye contact:** Causes serious eye damage.

### Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation:** No specific data.

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

**Skin contact:** No specific data.

**Eye contact:** Adverse symptoms may include the following: pain watering redness

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** Adverse health effects are considered unlikely, when the product is used according to directions.

**Potential delayed effects** None identified.

#### Long term exposure

**Potential immediate effects:** Adverse health effects are considered unlikely, when the product is used according to directions.

**Potential delayed effects** None identified.

## Potential chronic health effects

Product / ingredient name	Result	Species	Dose	Exposure	References
nitric acid, ammonium calcium salt	Sub-acute NOAEL Oral	Rat	> 1000 mg/kg OECD 407	28 days	IUCLID 5

<b>Conclusion/Summary:</b>	Not toxic.
<b>General:</b>	No known significant effects or critical hazards.
<b>Carcinogenicity:</b>	No known significant effects or critical hazards.
<b>Mutagenicity:</b>	No known significant effects or critical hazards.
<b>Teratogenicity:</b>	No known significant effects or critical hazards.
<b>Developmental effects:</b>	No known significant effects or critical hazards.
<b>Fertility effects:</b>	No known significant effects or critical hazards.

### Toxicokinetics

<b>Absorption:</b>	Rapidly absorbed.
<b>Distribution:</b>	Enters the systemic circulation without passing through liver tissues.
<b>Metabolism:</b>	Rapidly metabolized. Metabolized to the following: Ca <sup>2+</sup> NH <sub>4</sub> <sup>+</sup> NO <sub>3</sub> <sup>-</sup>
<b>Elimination:</b>	Excreted via the urine. The chemical and its metabolites are fully excreted and do not accumulate within the body.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product / ingredient name	Result	Species	Exposure	References
nitric acid, ammonium calcium salt				
	Acute LC50 447 mg/l Fresh water	Fish - Fish.	48 h	IUCLID 5
	Acute EC50 > 100 mg/l Fresh water OECD 202	Aquatic invertebrates. Daphnia	48 h	IUCLID 5
	Acute LC50 > 100 mg/l Fresh water OECD 201	Aquatic plants - Algae	72 h	IUCLID 5
	Acute EC50 > 1.000 mg/l Activated sludge OECD 209	Micro-organism - Activated sludge	72 h	IUCLID 5

<b>Conclusion/Summary:</b>	The product does not show any bioaccumulation phenomena. The product is not expected to harm the environment when used properly according to directions.
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## 12.2 Persistence and degradability

**Conclusion/Summary:** Readily biodegradable in plants and soils.

Product / ingredient name	Aquatic half-life	Photolysis	Biodegradability	References
nitric acid, ammonium calcium salt				
			Not relevant for inorganic substances.	

## 12.3 Bioaccumulative potential

Product / ingredient name	LogPow	BCF	Potential	References
nitric acid, ammonium	< 0	-	low	
calcium salt				

**Conclusion/Summary:** No known significant effects or critical hazards.

## 12.4 Mobility in soil

**Soil/water partition coefficient (KOC):** Not available.

**Mobility:** This product may move with surface or groundwater flows because its water solubility is: high

## 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

## 12.6 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Methods of disposal:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

#### Hazardous waste:

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### European waste catalogue (EWC)

Waste code	Waste designation
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

#### Packaging

#### Methods of disposal:

The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Empty the bag by shaking to remove as much as possible of its contents. Empty bags may be disposed of as non-hazardous material or returned for recycling.

#### Special precautions:

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

Regulation: ADR/RID	
14.1 UN number	Not regulated.
14.2 UN proper shipping name	
14.3 Transport hazard class(es)	
14.4 Packing group	
14.5 Environmental hazards	No.
14.6 Additional information	<b>ADR/RID</b>

Regulation: ADN	
14.1 UN number	Not regulated.
14.2 UN proper shipping name	
14.3 Transport hazard class(es)	
14.4 Packing group	
14.5 Environmental hazards	No.
14.6 Additional information: <u>Marine pollutant:</u>	<b>ADN</b> NO.

Regulation: IMDG	
14.1 UN number	Not regulated.
14.2 UN proper shipping name	
14.3 Transport hazard class(es)	
14.4 Packing group	
14.5 Environmental hazards	No.
14.6 Additional information: <u>Marine pollutant:</u>	<b>IMDG</b> NO.

Regulation: IATA	
14.1 UN number	Not regulated.
14.2 UN proper shipping name	
14.3 Transport hazard class(es)	
14.4 Packing group	
14.5 Environmental hazards	No.
14.6 Additional information: Marine pollutant:	<b>IATA</b> NO.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

### 14.8 IMSBC

Not available.

## SECTION 15: Regulatory information

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

**EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorization Substances of very high concern**

Not applicable.

#### Other EU regulations

**Europe inventory:** All components are listed or exempted.

#### Seveso II Directive

This product is not controlled under the Seveso II Directive.

#### National regulations

**Hazard class for water:**

**Water Discharge Policy (ABM):**

**Notes:**

WGK 1,

Slightly harmful to aquatic organisms., Abatement effort:, B

To our knowledge no other country or state specific regulations are applicable.

### 15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.



## SECTION 16: Other information

### Abbreviations and acronyms:

ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DNEL = Derived No Effect Level  
DMEL = Derived Minimal Effect Level  
EUH statement = CLP-specific Hazard statement  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
PBT = Persistent, Bioaccumulative and Toxic  
vPvB = Very Persistent and Very Bioaccumulative  
bw = Body weight

### Key literature references and sources for data:

EU REACH IUCLID5 CSR.  
National Institute for Occupational Safety and Health, U.S.  
Dept. of Health, Education, and Welfare, Reports and Memoranda  
Registry of Toxic Effects of Chemical Substances.  
IHS, 4777 Levy Street, St Laurent, Quebec HAR 2P9,  
Canada.Regulation (EC) No 1272/2008 Annex VI.

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Acute Tox. 4 H302 Eye Dam./Irrit. 1 H318	Calculation method Calculation method

### Full text of abbreviated H statements:

H302 Harmful if swallowed.  
H318 Causes serious eye damage.

### Full text of classifications [CLP/GHS]:

Acute Tox. 4, H302: ACUTE TOXICITY: oral - Category 4  
Eye Dam./Irrit. 1, H318: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

### Full text of abbreviated R phrases:

R22- Harmful if swallowed.  
R41- Risk of serious damage to eyes.

### Full text of classifications [DSD/DPD]:

Xn - Harmful  
Xi - Irritant

### Date of printing:

21.07.2014

### Date of issue/ Date of revision:

11.03.2014

### Date of previous issue:

05.07.2013

### Version:

3.0

**Indicates information that has changed from previously issued version.**

### Notice to reader

To the best of our knowledge, the information provided in this Safety Data Sheet is accurate as at the date of its issue. The information it contains is being given for safety guidance purposes and relates only to the specific material and uses described in it. This information does not necessarily apply to that material when combined with other material(s) or when used otherwise than as described herein, since all materials may represent unknown hazards and should be used with caution. Final determination of the suitability of any material is the sole responsibility of the user.

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**Annex to the extended Safety Data Sheet (eSDS) - Exposure Scenario:**

Identification of the substance or mixture

<b>Product definition:</b>	Mono-constituent substance
<b>Product name:</b>	Flower Power fertilizers CPRO7