



# Safety Data Sheet

# Roots

## 2-0-3

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

### 1.1. Product identifier

Product form	Mixture
Product name	BQ Roots 2-0-3
Product code	000.000.000

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

#### 1.2.1. Relevant identified uses

Main use category	Industrial use, Professional use
Use of the substance/mixture	Fertilizers

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

BQ FCA Beheer UA  
 Hoogveld 18  
 5431 NW Cuijk  
 The Netherlands  
 T +31 (0) 485 54 2000  
 info@bio-quality.ca

### 1.4. Emergency telephone number

Emergency number	National Poisons Information Service +44 870 600 6266 Worldwide: <a href="http://www.who.int/ipcs/poisons/centre/directory/en">http://www.who.int/ipcs/poisons/centre/directory/en</a>
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## SECTION 2 Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

Not classified

### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

### 2.3. Other hazards

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

### 3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II



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## SECTION 4 First aid measures

### 4.1. Description of first aid measures

First-aid measures general	Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.
First-aid measures after inhalation	Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	Wash immediately with lots of water. Soap may be used. In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after eye contact	Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion	Rinse mouth with water. Do not induce vomiting. Drink two glasses of water. Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital.

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

Symptoms/effects after inhalation	None under normal use.
Symptoms/effects after skin contact	Contact during a long period may cause light irritation.
Symptoms/effects after eye contact	May cause slight irritation.
Symptoms/effects after ingestion	Feeling of weakness. May cause irritation to the digestive tract.
Chronic symptoms	ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Gastrointestinal complaints.

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

Treat symptomatically.

## SECTION 5 Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media Adapt extinguishing media to the environment for surrounding fires.

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

Fire hazard Non combustible. Not flammable.  
Explosion hazard Not applicable.

### 5.3. Advice for firefighters

Precautionary measures fire Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighbourhood close doors and windows.  
Protection during firefighting Fire fighters have to wear suited clothing and an independent repertory device (SCBA) that covers the face completely with pressure. Clothing for fire fighters (including helmets, protective boots and gloves) according to European Regulation EN 469, give a basic protection level for an incident with chemicals



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## SECTION 6 Accidental release measures

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

General measures Ensure adequate ventilation.

#### 6.1.1. For non-emergency personnel

Protective equipment Wear suitable protective clothing.

Concerning personal protective equipment to use, see section 8.

Emergency procedures Clear the danger area. Notify experts. Mark the danger area.

Wash contaminated clothes.

#### 6.1.2. For emergency responders

Protective equipment Wear suitable protective clothing. Reactivity hazard: compressed air/oxygen apparatus.

### 6.2. Environmental precautions

Prevent soil and water pollution. Prevent spreading in sewers.

### 6.3. Methods and material for containment and cleaning up

For containment Plug the leak, cut off the supply. Dam up the liquid spill.

Clean spills promptly.

Methods for cleaning up

Collect all waste in suitable and labelled containers and dispose according to local legislation. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Scoop absorbed substance into closing containers. Wash down leftovers with plenty of water. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

Concerning personal protective equipment to use, see item 8.

Concerning disposal elimination after cleaning, see item 13.

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling Ensure adequate ventilation. Use personal protective equipment as required. Comply with the legal requirements.

Remove contaminated clothing immediately. Clean contaminated clothing. Keep container tight closed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hygiene measures

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures Keep container closed when not in use.

Storage conditions Store in original container.

Storage temperature 10 - 30 °C

Heat and ignition sources KEEP SUBSTANCE AWAY FROM: heat sources.

Storage area Keep container in a well-ventilated place. Keep out of direct sunlight.

Meet the legal requirements.

Special rules on packaging

Meet the legal requirements. correctly labelled.

Packaging materials

Secure fragile packagings in solid containers.

SUITABLE MATERIAL: stainless steel, synthetic material.

### 7.3. Specific end use(s)

Fertilisers.



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### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station.

##### Hand protection

Protective gloves

TYPE	MATERIAL	PERMEATION	THICKNESS (MM)	PENETRATION	STANDARD
	Nitrile rubber	6 (> 480 minutes)			EN ISO 374

##### Eye protection

Eye protection

TYPE	USE	CHARACTERISTICS	STANDARD
Safety glasses			EN 166

##### Skin and body protection

Wear suitable protective clothing





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## SECTION 9 Physical and chemical properties

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

Physical state	Liquid
Appearance	Liquid
Colour	Dark brown
Odour	Characteristic
Odour threshold	No data available
pH	5 - 7
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	1.26 - 1.30 kg/l
Solubility	Miscible with water
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Explosive limits	No data available

### 9.2. Other information

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

The product is stable at normal handling and storage conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available.

### 10.4. Conditions to avoid

Avoid high temperatures. Keep out of frost.

### 10.5. Incompatible materials

No additional information available.

### 10.6. Hazardous decomposition products

To our knowledge, the product does not present any particular risk, under normal conditions of use.



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### SECTION 11 Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	Not classified
Irritation	Not classified pH: 5 - 7
Corrosivity	Not classified pH: 5 - 7
Sensitisation	Not classified
Repeated dose toxicity	Not classified
Carcinogenicity	Not classified
Mutagenicity	Not classified
Toxicity for reproduction	Not classified

### SECTION 12 Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13 Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste)  
Sewage disposal recommendations

Disposal must be done according to official regulations.  
Disposal must be done according to official regulations.



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### SECTION 14 Transport information

Not regulated for transport

### SECTION 15 Regulatory information

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

No additional information available

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

##### 15.1.2. National regulations

###### Germany

12th Ordinance Implementing the Federal Immission

Is not subject of the 12. BImSchV  
(Hazardous Incident Ordinance)

Control Act - 12.BImSchV

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16 Other information

Data sources

ECHA Website: Information on Registered Substances  
Handbook of Chemistry and Physics CRC Press Inc  
Information suppliers  
BIG-database.

Other information

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