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

1.1. Product identifier

Trade name: COMBI 80
Trade code: 678493

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

Recommended use:
Agriculture fertilizer.

1.3. Details of the supplier of the safety data sheet

Supplier: QUIMOPROX, S.L.
Street: Pol. Ind. Can Magre – C/ Carles Buhigas, nave 80
Postal code/city: 08187 Sta. Eulalia de Ronçana - Barcelona
Country: SPAIN
Telephone: (34).93.844.66.94
E-mail (competent person): quimoprox@quimoprox.com

1.4. Emergency telephone number

ORFILA (authorised advisory centre): (33)-01-45-42-59-59

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) N° 1272/2008 [CLP]:
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

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

Properties / Hazard symbols:
None.

2.2. Label elements

Labelling according to Regulation (EC) N° 1272/2008 [CLP]:

Hazard symbols:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description: Seaweed extract (Ascophylum Nodosum) with micronutrients mixture.

Hazardous ingredients:

Classification according to Directive 67/548/EEC / Classification according to Regulation (EC) No. 1272/2008 [CLP]

< 1% Copper complex of ethylenediaminetetraacetic acid

CAS: 14025-15-1, EC: 237-864-5

Xn, Xi; R22-36



3.1/4/Oral Acute Tox. 4 H302



3.3/2 Eye Irrit. 2 H319

< 2 % Boric acid

REACH No.: 01-2119486683-25-XXXX, Index number: 005-007-00-2,

CAS: 10043-35-3, EC: 233-139-2

Repr. Cat. 2; R60-61



3.7/1B Repr. 1B H360

Substances SVHC:

< 2 % Boric acid

REACH No.: 01-2119486683-25-XXXX, Index number: 005-007-00-2,

CAS: 10043-35-3, EC: 233-139-2

Toxic to reproduction

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

When in doubt or if symptoms are observed, get medical advice.

After inhalation:

No special measures are necessary.

Following skin contact:

Subsequently wash off with: Water.

After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion:

Rinse mouth thoroughly with water.

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

Skin irritation.

Eye Irritation.

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:

Water spray jet.

Dry extinguishing powder.

Foam.

Carbon dioxide (CO₂).

Unsuitable extinguishing media:

Strong water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

Carbon dioxide (CO₂).

Carbon monoxide (CO).

Nitrogen oxides (NO_x).

5.3. Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Collect contaminated fire extinguishing water separately. Do not allow to enter drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Personal protection equipment: see section 8.

For emergency responders:

Personal protection equipment: see section 8.

6.2. Environmental precautions

Cover drains.

Do not allow to enter into soil/subsoil.

Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

Ensure waste is collected and contained.

In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For containment:

Cover drains.

For cleaning up:

Absorb with liquid binding material (e.g. sand, diatomaceous earth or universal binding agents).

Collect in closed and suitable containers for disposal.

Wash with plenty of water.

6.4. Reference to other sections

Safe handling: see section 7.

Disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures:

Personal protection equipment: see section 8.

Fire prevention measures:

No special fire protection measures are necessary.

Advices on general occupational hygiene:

When using do not eat, drink, smoke, sniff.

Wash hands before breaks and after work.

Used working clothes should not be worn outside the work area.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Requirements for storage rooms and vessels:

Suitable container/equipment material:

Glass.

Varnished iron.

Stainless steel.

Polyethylene (PE).

Unsuitable container/equipment material:

Iron.

Aluminium.

Suitable floor material:

The floor should be leak tight, jointless and not absorbent.

Acid-resistant.

Fire prevention measures:

No special fire protection measures are necessary.

Hints on joint storage:

Do not store together with: Strong oxidising agents.

Further information on storage conditions:

Recommended storage temperature: At room temperature.

7.3. Specific end use(s)

Identified use: see section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

Boric acid - CAS: 10043-35-3

00 - mg/m³: 2 - Duration: 01 - mg/m³: 6 - Notes: No data available.

PNEC-values

Copper complex of ethylenediaminetetraacetic acid - CAS: 14025-15-1

PNEC aquatic, freshwater: 2.95 mg/l - Source: ECHA (European Chemicals Agency)

PNEC aquatic, marine water: 0.3 mg/l - Source: ECHA (European Chemicals Agency)

PNEC aquatic, intermittent releases: 1.09 mg/l - Source: ECHA (European Chemicals Agency)

PNEC sewage treatment plant (STP): 65.4 mg/l - Source: ECHA (European Chemicals Agency)

PNEC soil, freshwater: 0.21 mg/kg - Source: ECHA (European Chemicals Agency)

Boric acid - CAS: 10043-35-3

PNEC aquatic, freshwater: 2.02 mg/l - Source: ECHA (European Chemicals Agency)

PNEC aquatic, marine water: 2.02 mg/l - Source: ECHA (European Chemicals Agency)

PNEC aquatic, intermittent releases: 13.7 mg/l - Source: ECHA (European Chemicals Agency)

PNEC sewage treatment plant (STP): 10 mg/l - Source: ECHA (European Chemicals Agency)

PNEC soil, freshwater: 5.4 mg/kg - Source: ECHA (European Chemicals Agency)

DNEL-values

Copper complex of ethylenediaminetetraacetic acid - CAS: 14025-15-1

DNEL worker: DNEL long-term inhalative (systemic): 1.8 mg/m³ - Source: ECHA (European Chemicals Agency)

DNEL worker: DNEL long-term dermal (systemic): 3750 mg/kg bw/d - Source: ECHA (European Chemicals Agency)

DNEL consumer: DNEL long-term inhalative (systemic): 0.45 mg/m³ - Source: ECHA (European Chemicals Agency).

DNEL consumer: DNEL long-term dermal (systemic): 1875 mg/kg bw/d - Source: ECHA (European Chemicals Agency)

DNEL consumer: DNEL long-term inhalative (systemic): 0.375 mg/kg bw/d - Source: ECHA (European Chemicals Agency)

Boric acid - CAS: 10043-35-3

DNEL worker: DNEL long-term inhalative (systemic): 8.3 mg/m³ - Source: ECHA (European Chemicals Agency)

DNEL worker: DNEL long-term dermal (systemic): 392 mg/kg bw/d - Source: ECHA (European Chemicals Agency)

DNEL consumer: DNEL long-term inhalative (systemic): 4.15 mg/m³ - Source: ECHA (European Chemicals Agency)

DNEL consumer: DNEL long-term dermal (systemic): 196 mg/kg bw/d - Source: ECHA (European Chemicals Agency)

DNEL consumer: DNEL long-term oral (repeated): 0.98 mg/kg bw/d - Source: ECHA (European Chemicals Agency)

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DNEL consumer: DNEL short-term oral (acute): 0.98 mg/kg bw/d - Source: ECHA (European Chemicals Agency)

8.2. Exposure controls

Appropriate engineering controls:

See chapter 7. No additional measures necessary.

Personal protective equipment:

Eye/face protection:

Goggles (DIN 166).

Skin protection:

Hand protection:

Chemical resistant protective gloves (DIN EN 374).

The product

Suitable material: Butyl caoutchouc (butyl rubber) By long-term hand contact

Suitable material: NBR (nitrile rubber) By long-term hand contact

Suitable material: PVC (polyvinyl chloride) By long-term hand contact

Suitable material: NR (natural rubber, natural latex) By short-term hand contact

Body protection:

Wearing of fully sealed work clothing is recommended.

Chemical protection clothing.

Chemical resistant safety shoes.

Respiratory protection:

Usually no respiratory personal protective equipment is required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid.			
Colour:	Brown very dark.			
Odour:	Characteristic.			
Odour threshold:	No data available.			
pH value	ca. 5,5	at °C:	20	(NFT 01-013)
Melting point / melting range	<0 °C			
Boiling temperature / boiling range	ca.100 °C			
Flash point	>100 °C			
Vapourisation rate / Evaporation rate	No data available.			
Flammable solids:	Not Relevant			
Upper/lower flammability or explosive limits:	No data available.			
Relative vapour density at 20 °C (air=1)	No data available.			
Density	1,18			
Solubility:				
Water solubility:	Miscible.			
Partition coefficient n-octanol/water (log P O/W)	No data available.			
Self ignition temperature	>200 °C			
Decomposition temperature	>150 °C			
Dynamic viscosity:	<300mPa*s	/20 °C		(NFT 51210)
Explosive properties	No			
Oxidizing power	No			

9.2. Other information

Liquid density in kg/l	1,18 /20 °C	(NFT 20050)
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SECTION 10: Stability and reactivity

- 10.1. Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.
- 10.2. Chemical stability
The product is stable if stored as prescribed/indicated.
- 10.3. Possibility of hazardous reactions
No hazardous reaction when stored and handled according to instruction.
- 10.4. Conditions to avoid
Decomposition takes place from temperatures above: 150 °C
See section 7.
- 10.5. Incompatible materials
Materials to avoid: Strong oxidising agents.
- 10.6. Hazardous decomposition products
No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
Except particular informations, the toxicological effects of product are assessed by the conventionnal method described in Annex II of Directive 1999/45/EC which take in consideration all health hazards of substances contained in the product.
The product
Acute oral toxicity - Test: LD50 Rat > 4000 mg/kg - Method: Estimation - Assessment: Not classified.
Acute dermal toxicity - Test: LD50 Rabbit > 4000 mg/kg - Method: Estimation - Assessment: Not classified.
Skin corrosion / Irritation - Method: Estimation - Assessment: Slightly irritant but not relevant for classification.
Eye damage / irritation - Method: Estimation - Assessment: Slightly irritant but not relevant for classification.
Copper complex of ethylenediaminetetraacetic acid - CAS: 14025-15-1
Acute oral toxicity - Test: LD50 Rat = 890 mg/kg - Method: OECD 403 - Source: ECHA (European Chemicals Agency) - Assessment: Harmful.
Acute inhalation toxicity - Test: LC50 Rat > 5.30 g/m³ 4 h - Method: OECD 436 - Source: ECHA (European Chemicals Agency) - Assessment: Not classified.
Acute dermal toxicity - Test: LD50 Rat > 2000 mg/kg - Method: OECD 402 - Source: ECHA (European Chemicals Agency) - Notes: The statement is derived from products of similar structure or composition - Assessment: Not classified.
Skin corrosion / Irritation Rabbit - Source: ECHA (European Chemicals Agency) - Assessment: Slightly irritant but not relevant for classification.
Eye damage / irritation Rabbit - Method: OECD 405 - Source: ECHA (European Chemicals Agency) - Assessment: Irritant.
Skin sensitisation - Method: OECD 429 - Source: ECHA (European Chemicals Agency) - Assessment: Not sensitising.
Specific target organ toxicity (repeated exposure) - Test: NOEL(C) oral Rat = 150 mg/kg bw/day 90 d - Method: OECD 408 - Source: ECHA (European Chemicals Agency) - Assessment: Target organs: liver and kidneys.
Germ cell mutagenicity / Genotoxicity - Test: Gene-mutations microorganisms in vitro mutagenicity Salmonella typhimurium - Method: OECD 471 (Ames test) - Source: ECHA (European Chemicals Agency) - Assessment: No mutagenic.
Germ cell mutagenicity / Genotoxicity - Test: Gene-mutations mammalian cells in vitro mutagenicity Human lymphocytes - Method: OECD 487 - Source: ECHA (European Chemicals Agency) - Assessment: Evidence for in vitro mutagenicity.

Germ cell mutagenicity / Genotoxicity in vivo mutagenicity - Source: ECHA (European Chemicals Agency) - Notes: The statement is derived from products of similar structure or composition - Assessment: No experimental evidence of in vivo mutagenicity exist.
Carcinogenicity - Source: ECHA (European Chemicals Agency) - Notes: The statement is derived from products of similar structure or composition - Assessment: No experimental evidence of carcinogenicity exist.

Adverse effects on sexual function and fertility - Test: NOAEL(C) oral Rat > 500 mg/kg bw/day - Method: OECD 422 - Source: ECHA (European Chemicals Agency) - Assessment: No experimental evidence of effect on reproductive capacity.

Adverse effects on developmental toxicity - Test: NOAEL(C) oral Rat > 500 mg/kg bw/day - Method: OECD 422 - Source: ECHA (European Chemicals Agency) - Assessment: No experimental evidence of teratogenicity.

Boric acid - CAS: 10043-35-3

Acute oral toxicity - Test: LD50 Rat > 2000 mg/kg - Method: OECD 401 - Source: ECHA (European Chemicals Agency) - Assessment: Not classified.

Acute dermal toxicity - Test: LD50 Rabbit > 2000 mg/kg - Source: ECHA (European Chemicals Agency) - Assessment: Not classified.

Acute inhalation toxicity - Test: LC50 Rat > 2.03 mg/m³ 4 h - Method: OECD 403 - Source: ECHA (European Chemicals Agency) - Assessment: Not classified.

Skin corrosion / Irritation Rabbit - Source: ECHA (European Chemicals Agency) - Assessment: Not an irritant.

Eye damage / irritation Rabbit - Method: OECD 405 - Source: ECHA (European Chemicals Agency) - Assessment: Slightly irritant but not relevant for classification.

Skin sensitisation Guinea pig - Method: OECD 406 - Source: ECHA (European Chemicals Agency) - Assessment: Not sensitising.

Specific target organ toxicity (repeated exposure) - Test: NOAEL(C) oral Rat = 17.5 mg/kg bw/day 730 d - Source: ECHA (European Chemicals Agency)

Specific target organ toxicity (repeated exposure) - Test: LOAEL(C) oral Rat = 58.5 mg/kg bw/day 730 d - Source: ECHA (European Chemicals Agency) - Assessment: According to the animal experimentation by repeated ingestion of raised amounts, the substance can cause testicular lesions.

Germ cell mutagenicity / Genotoxicity - Test: Gene-mutations mammalian cells in vitro mutagenicity Hamster cells - Source: ECHA (European Chemicals Agency) - Assessment: No mutagenic.

Germ cell mutagenicity / Genotoxicity - Test: Gene-mutations microorganisms in vitro mutagenicity Salmonella typhimurium - Method: OECD 471 (Ames test) - Source: ECHA (European Chemicals Agency) - Assessment: No mutagenic.

Germ cell mutagenicity / Genotoxicity - Test: Gene-mutations mammalian cells in vitro mutagenicity Mouse lymphoma cells - Method: OECD 476 - Source: ECHA (European Chemicals Agency) - Assessment: No mutagenic.

Germ cell mutagenicity / Genotoxicity in vivo mutagenicity Mouse - Method: OECD 474 - Source: ECHA (European Chemicals Agency) - Assessment: No mutagenic.

Carcinogenicity oral Mouse - Method: OECD 451 - Source: ECHA (European Chemicals Agency) - Assessment: No experimental evidence of carcinogenicity exist.

Adverse effects on sexual function and fertility - Test: LOAEL(C) oral Rat = 58.5 mg/kg bw/day 2 generation - Source: ECHA (European Chemicals Agency) - Assessment: Evidence for reproductive toxicity in experimental animals.

Adverse effects on developmental toxicity - Test: NOAEL(C) oral Rat = 55 mg/kg bw/day - Method: OECD 414 - Source: ECHA (European Chemicals Agency) - Assessment: No experimental evidence of teratogenicity.

SECTION 12: Ecological information

Except particular informations, the ecotoxicological effects of product are assessed by the conventionnal method described in Annex III of Directive 1999/45/EC.

12.1. Toxicity

The product

Acute (short-term) fish toxicity - Endpoint: LC50 > 100 mg/L - Duration h: 96 h -

Method: Estimation

Acute (short-term) daphnia toxicity - Endpoint: CE50 > 100 mg/L - Duration h: 48 h

Overall evaluation:

According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".

12.2. Persistence and degradability

The product

Biodegradation - Method: estimation - Assessment: Biodegradable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

Known or predicted distribution to environmental compartments:

No data available.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

The product does not contain organically bound halogen.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Appropriate disposal / Package

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

Packaging which cannot be cleaned should be disposed of as the product contents.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

No data available.

14.3. Transport hazard class(es)

No data available.

14.4. Packing group

No data available.

14.5. Environmental hazards

IMDG-Marine pollutant: No

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Environmental Pollutant:

No

SECTION 15: Regulatory information

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

Volatile organic compounds (VOC) content in percent by weight: 0 %(calculated)

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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

Water hazard class (WGK): Slightly hazardous to water (WGK 1).
15.2. Chemical safety assessment
No

SECTION 16: Other information

Full text of phrases referred to in Section 3:

R22 Harmful if swallowed.
R36 Irritating to eyes.
R60 May impair fertility.
R61 May cause harm to the unborn child.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H360 May damage fertility or the unborn child.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.