

Safety Data Sheet

According to Regulation (EC) No 2015/830



Oligo Boron Molybdenum 11 + 0.5 Liquid

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

1.1. Product identifier

Trade name: Van Iperen Oligo Boron Molybdenum 11 + 0.5 Liquid

Product name: Oligo Boron Molybdenum 11+0.5 Liquid

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

Identified uses

Professional formulation of fertilizer products.

Use professional as fertilizer in farm - loading and spreading.

Professional use as fertilizer liquid in full-field (ex: ferti-irrigation).

Uses advised against

No data

1.3. Details of the supplier of the safety data sheet

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3273 LK Westmaas - Nederland

T +31 (0) 186 578 888 - F +31 (0) 186 573 452

info@iperen.com - www.vaniperen.com

1.4. Emergency telephone number

In case of emergency contact the national emergency telephone number: UK and Ireland: 112 or 999

Country	Official advisory body	Address	Emergency number
Ireland (Republic of)	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified

2.2. Label elements

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.1. Substances –

not concern

3.2. Mixtures

Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Full text of Hazard Statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

IN CASE OF :

Eye Contact:

Flush immediately with plenty of water for 15 min.

In case of persistent irritation, ask the advice of an ophthalmologist.

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Skin Contact:

Take off dirty clothes.

Rinse immediately and thoroughly with clean water during 15 min.

Ingestion:

Wash out mouth with water.

Depending on the amount ingested seek medical advice, and show this SDS, or for lack, the label.

Inhalation:

Not specifically concerned (aqueous liquid).

Remove from the contaminated area and bring to fresh air

Protection of First-aiders:

Use personal protective equipment.

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

According to the pathway: tingling, redness, irritation, nausea, vomiting, diarrhea.

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

No data/information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

All extinguishing agents usable (water, foam, powders, CO₂, ...)

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards

No data/information available

By thermal decomposition, product may emit oxides of nitrogen, sulfur.

5.3. Advice for firefighters

Do not enter or remain in the danger zone without chemical protection clothing or autonomous breathing equipment.

Wearing autonomous, insulating breathing equipment is recommended when entering the danger zone. Avoid pouring fire water down the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

Avoid contact with the skin and eyes.

Individual protection: see SECTION 8

6.2. Environmental precautions

Should not be released into the environment.

Prevent entry into drains, waters or soil.

See Section 12 for additional ecological information.

6.3. Methods and material for containment and cleaning up

Do not water down. Collect with a neutral absorbent material and sweep it .

Do not reintroduce into original container; treat as a waste.

6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wear personal protective equipment. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

Store out of frost (-10°C).

Store away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

No data

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Technical measures Work in the open air.

Exposure limit values No study has been carried out for the moment on this mixture.

8.2. Exposure controls



Monitoring procedures

Medical examination yearly.

PPE

The product doesn't require specific measures.

(Personal Protection Equipment)

Respect general rules for handling of chemical products :

Respiratory protection Mask recommended while spraying the mixture. Anti-aerosol mask with filter type P1

Hand protection Protective gloves, such as latex, PVC, rubber. (according to standard EN 374)

Eye protection S safety goggles (according to standard EN 166)

Skin and body protection Protective clothing, such as overall.

Hygiene measures Wash hands with water after handling the product.

Do not eat or drink during the handling.

Environmental protection Rinse the containers with water and pour rinsing water into spraying tank

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless-yellow.
pH	: 8.0 ± 0.5
Melting point/freezing point	: Not determined
Initial boiling point and boiling range	: Not determined
Flash point	: Not applicable (aqueous solution)
Evaporation rate	: Not determined
Flammability (solide, gaz)	: Not applicable (aqueous solution, no flammable component)
Upper/lower flammability or explosive limits	: Non applicable
Vapour pressure	: Not determined
Vapour density	: Not determined
Density	: 1.34 ± 0.2 g/cm ³
Solubility(ies)	: Totally soluble in water in all proportions
Partition coefficient: n-octanol/water	: Not determined
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
Viscosity	: Not determined
Explosive properties	: Not applicable (aqueous solution, no explosive component)
Oxidising properties	: Not applicable (aqueous solution, no oxidizing component)

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available for this product or its components.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, no dangerous reaction occurs.

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10.4 Conditions to avoid

Store at temperature above 40°C and below -10°C.
(cf section 7)

10.5 Incompatible materials

Avoid storage of the product into metallic containers.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, no dangerous decomposition product should appear.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

-Acute toxicity:

Not classified (Based on available data)

-Skin corrosion/irritation:

Not classified (Based on available data)

-Serious eye damage/irritation:

Not classified (Based on available data)

-Respiratory or skin sensitization:

Not classified (Based on available data)

-Germ cell mutagenicity:

Not classified (Based on available data)

-Carcinogenicity:

Not classified (Based on available data)

-Reproductive toxicity:

Not classified (Based on available data)

-Specific target organ toxicity (single exposure):

Not classified (Based on available data)

-Specific target organ toxicity (repeated exposure):

Not classified (Based on available data)

-Potential Adverse human health effects and symptoms:

When used and handled according to specifications, the product does not have any harmful effects (Based on available data)

SECTION 12: Ecological information

12.1 Toxicity

No study has been carried out for the moment on this mixture.

12.2 Persistence and degradability

No adverse effect expected on sewage plant working all components are degradable, or biodegradable, or assimilable.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

Soluble in water

12.5 Results of PBT and vPvB assessment

No study has been carried out for the moment on the mixture.

No contains substance concerned.

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations

Waste treatment methods

Dispose the product, depending on the degree and type of contamination, in an authorized waste disposal site.

Empty and rinsed containers can be disposed as non-hazardous material or be returned for recycling.

Waste disposal recommendations

Do not discharge into drains or the environment.

Care should be taken when handling emptied containers that have not been cleaned or rinsed out.

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SECTION 14: Transport information

In accordance with the requirements ADR(byroad),IMDG(by sea), OACI/IATA (by air):

14.1 UN number

Not regulated

14.2 UN proper shipping name

Not regulated

14.3 Transport hazard class(es)

Not regulated

14.4 Packing group

Not regulated

14.5 Environmental hazards

Not regulated

14.6 Special precautions for user

No additional information available

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

Not concerned

SECTION 15: Regulatory information

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

UE regulation:

(EC) 1907/2006 (REACH)

No restrictions according to annex XVII of REACH

Contains no substance candidate according to REACH

National regulation:

No additional information available

15.2 Chemical safety assessment

No chemical Safety Assessment has been carried out for the mixture. No exposure scenario available (the mixture is not classified as dangerous)

SECTION 16: Other information

Data sources

ECHA Website: Information on Registered Substances

Information from suppliers.

Abbreviations and acronyms

CLP = Classification, labelling and packaging

DNEL = Derivative No Effect Level

PNEC = Predicted No Effect Concentration

REACH = Registration, evaluation and authorisation of chemicals.

Company disclaimer

The information provided in this safety data sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any proceed, unless specified in the text.