

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



## FoliaStim® B Mo Liquid

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

#### 1.1. Product identifier

Product form: Mixture

Trade name : FoliaStim® B Mo Liquid

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

##### 1.2.1. Relevant identified uses

Main use category:

Professional use

Use of product:

Chemical product

##### 1.2.2. Uses advised against

Restrictions on use:

Uses other than the identified uses are discouraged

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

Van Iperen International BV

Smidsweg 24

3273 LK Westmaas - Nederland

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

[info@iperen.com](mailto:info@iperen.com) - [www.vaniperen.com](http://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]

Skin corrosion/irritation, Category 2

H315

Serious eye damage/eye irritation, Category 1

H318

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]



Hazard pictograms (CLP):

GHS05

CLP Signal word:

Danger

Hazard statements (CLP):

H315 - Causes skin irritation. H318 - Causes serious eye damage.

Precautionary statements (CLP):

P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves, protective clothing, eye protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

#### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII.2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier:	%:	Classification according to Regulation (EC) No. 1272/2008 [CLP]:
Boron ethanolamine, ionic mixture with potassium hydroxide	(CAS-No.) -; (EC-No.) -; (REACH-no) Exempted 1)	12 – 14	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412

<sup>1</sup>Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V. Each starting material of the ionic mixture is registered, as required (REACH-registration numbers 01-2119892821-29 and 01-2119487136-33). Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general:

First aider: pay attention to self-protection!. Move the affected person away from the contaminated area. Use first aid treatment according to the nature of the injury. Keep watching the victim. If feeling unwell, seek medical advice. Show this safety data sheet to the doctor in attendance.

First-aid measures after inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact:

Rinse with water. Soap may be used. Do not apply (chemical) neutralizing agents. If on skin, take off contaminated clothing. If on skin and if skin irritation or rash occurs, seek medical advice and 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.

First-aid measures after ingestion:

If victim conscious and alert, give 1-2 glasses of water to drink. Do NOT induce vomiting. Get medical advice/attention. Ingestion of large quantities: immediately to hospital.

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

Symptoms/effects after inhalation:

Slight irritation. Exposure to high concentrations: irritation of the respiratory tract, dry/sore throat, coughing, respiratory difficulties.

Symptoms/effects after skin contact:

Red skin. Irritation. Itching.

Symptoms/effects after eye contact:

Direct contact with the eyes can cause irreversible damage, including blindness. Pain, redness, itching, tears.

Symptoms/effects after ingestion:

Nausea. Vomiting.

Chronic symptoms:

On continuous/repeated exposure/contact: dry skin, skin rash/inflammation.

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

Follow the advices in chapter 4.1. Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Extinguishing media for surrounding fires: all extinguishing media allowed.

Use fire extinguishing methods suitable for the surrounding conditions

Unsuitable extinguishing media:

Do not use a heavy water stream.

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

Fire hazard:

Direct fire hazard: Non combustible.

Explosion hazard:

No direct explosion hazard.

Hazardous decomposition products in case of fire:

With sustained heating, hazardous decomposition products may be released, such as ammonia, carbon monoxide, carbon dioxide, metallic oxides, nitrogen oxides.

### 5.3. Advice for firefighters

Precautionary measures fire:

Exposure to fire/heat: keep upwind, consider evacuation and have neighbourhood close doors and windows.

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Firefighting instructions:

Dilute toxic gases with water spray.

Protection during firefighting:

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.

### SECTION 6: Accidental release measures

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

General measures:

Prevent generation of mists /aerosols. Ensure adequate air ventilation. Keep away from naked flames/heat. Do not get in eyes, on skin, or on clothing.

##### 6.1.1. For non-emergency personnel

Protective equipment:

Wear protective gloves/protective clothing/eye protection as advised in section 8.

Emergency procedures:

Mark the danger area. No naked flames. Keep containers closed. Wash contaminated clothes. In case of hazardous reactions: keep upwind. In case of reactivity hazard: consider evacuation.

##### 6.1.2. For emergency responders

Protective equipment:

Wear protective gloves/protective clothing/eye protection as advised in section 8.

Emergency procedures:

See the information in "For non-emergency personnel".

#### 6.2. Environmental precautions

Stop leaks if possible. Prevent spreading in sewers. Prevent soil and water pollution. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

For containment:

Any spillage should be cleaned up immediately. Collect spill in closed and suitable containers for disposal. Take up rest of liquid spill into absorbent material (sand, earth, vermiculite). Scoop absorbed substance into closing containers.

Methods for cleaning up:

Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

Other information:

Dispose of materials or solid residues at an authorized site.

#### 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

#### 7.1. Precautions for safe handling

Precautions for safe handling:

Prevent generation of mists /aerosols. Do not breathe vapor or mist. Use sufficient ventilation. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection as advised in section 8.

Hygiene measures:

Do not eat, drink or smoke during use. Always wash hands after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Do not discharge waste into the drain.

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

Storage conditions:

Keep preferably in the original container.

Store according to local legislation.

Storage temperature:

10 – 30 °C

Heat and ignition sources:

Keep substance away from: heat sources.

Information on mixed storage:

Keep substance away from: strong oxidizing agents, strong reducing agents, acids, (strong) bases

Storage area:

Store in dry, cool, well-ventilated area. Keep out of direct sunlight. Protect against frost.

Special rules on packaging:

Correctly labelled. Sealable. Keep packaging closed when not in use. Secure fragile packagings in solid containers.

Packaging materials:

Suitable material: synthetic material, HDPE, stainless steel.

#### 7.3. Specific end use(s)

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See section 1.2. Recommended use and restrictions on use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Additional information:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

Appropriate engineering controls:

No particular/specific measures required. Good practice advice: Ensure good ventilation of the work station. Provide eyewashstations at the workplace.

##### 8.2.2. Personal protection equipment

Personal protective equipment:

Protective clothing. Gloves in accordance with European standard EN-16523-1. Safety glasses.

Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

##### 8.2.2.2. Skin protection

Skin and body protection:

Protective clothing. Chemical resistant safety shoes

Hand protection:

Gloves in accordance with European standard EN-16523-1

Material selection gloves: wear chemical-resistant gloves (tested to EN-16523-1). Refer table below. Ask your gloves' supplier for advice. Take note of the information given by the producer concerning permeability, breakthrough times and special workplace conditions (mechanical strain, duration of contact). Replace damaged gloves

Type: Reusable gloves

Material: Natural rubber, Latex, Butyl rubber, Polyvinylchloride (PVC)

Permeation: 6 (> 480 minutes)

Thickness (mm): 0.5

Standard: EN-16523-1

Type: Reusable gloves

Material: Nitrile rubber (NBR)

Permeation: 6 (> 480 minutes)

Thickness (mm): 0.35

Standard: EN-16523-1

Type: Reusable gloves

Material: Fluoroelastomer (FKM)

Permeation: 6 (> 480 minutes)

Thickness (mm): 0.4

Standard: EN-16523-1

##### 8.2.2.3. Respiratory protection

Respiratory protection:

Ensure adequate air ventilation. Mist formation: aerosol mask with filter type P2

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

Environmental exposure controls:

In some cases process modifications will be necessary to reduce emissions to acceptable levels. Emissions from ventilation or work process equipment should be checked to ensure they comply with legislation.

### 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

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pH:	9 – 11
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	No data available
Crystallization temperature:	10 °C
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:	No data available
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	1.09 kg/l
Solubility:	
Water: completely soluble.Partition coefficient n-octanol/water (Log Pow):	No data available
Viscosity, kinematic:	No (test)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

See 10.3.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions. May sediment slightly after some time.

### 10.3. Possibility of hazardous reactions

This product can react with strong reducing or oxidizing agents. May react violently with acids and with (some) bases.

### 10.4. Conditions to avoid

Avoid high temperatures. Temperatures lower than 10°C.

### 10.5. Incompatible materials

Keep substance away from: acids, strong bases, strong oxidizing agents, strong reducing agents.

### 10.6. Hazardous decomposition products

See Section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity (oral):

Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal):

Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation):

Not classified (Based on available data, the classification criteria are not met)

Skin corrosion/irritation:

Causes skin irritation.

pH: 9 – 11

Serious eye damage/irritation:

Causes serious eye damage.

pH: 9 – 11

Respiratory or skin sensitisation:

Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity:

Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity:

Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity:

Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure:

Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure:

Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard:

Not classified (Based on available data, the classification criteria are not met)

### FoliaStim® B Mo Liquid

Viscosity, kinematic: No (test)data available

Potential adverse human health effects and symptoms:: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us

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## FoliaStim® B Mo Liquid

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general:

Classification concerning the environment: not applicable.

Hazardous to the aquatic environment, short-term (acute):

Not classified

Hazardous to the aquatic environment, long-term (chronic):

Not classified

#### 12.2. Persistence and degradability

FoliaStim® B Mo Liquid

Persistence and degradability

No supplementary information available.

#### 12.3. Bioaccumulative potential

FoliaStim® B Mo Liquid

Bioaccumulative potential

Bioaccumulation: not applicable.

#### 12.4. Mobility in soil

FoliaStim® B Mo Liquid

Ecology - soil

Soluble in water.

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

FoliaStim® B Mo Liquid

This mixture does not meet the PBT criteria of REACH regulation, annex XIII

This mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

Other adverse effects:

May cause eutrophication.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

European List of Waste (LoW) code:

02 01 09 - agrochemical waste other than those mentioned in 02 01 08

Depending on branch of industry and production process, also other EURAL codes may be applicable

Regional legislation (waste):

Disposal must be done according to official regulations.

Waste treatment methods:

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Empty and rinsed containers can be disposed of as non-hazardous material or be returned for recycling.

Product/Packaging 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.

Additional information:

The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

#### 14.1 UN number

UN-No.: Not regulated

#### 14.2. UN proper shipping name

Proper Shipping Name: Not regulated

#### 14.3. Transport hazard class(es)

Transport hazard class(es): Not regulated

#### 14.4. Packing group

Packing group: Not regulated

#### 14.5. Environmental hazards

Dangerous for the environment: No

Marine pollutant: No

Other information No supplementary information available

#### 14.6. Special precautions for user

Not regulated

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent

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## FoliaStim® B Mo Liquid

organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances. Directive 2012/18/EU (SEVESO III)

Seveso Additional information:

Not classified

### 15.1.2. National regulations

Ensure that all national/local regulations are observed

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

Refer table below.

Section;

Changed item:

Change:

2.1

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

Modified

2.2

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Modified

3.2

Composition/information on ingredients

Modified

7.2

Storage temperature

Modified

9.1

pH

Modified

9.1

Crystallization temperature

Modified

11.1

Toxicity

Modified

15.1

Regulatory information

Modified

Abbreviations and acronyms:

ADN

European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR

European Agreement concerning the International Carriage of Dangerous Goods by Road

CLP

CLP = Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

EN

European Standard

IATA

International Air Transport Association

IMDG

International Maritime Dangerous Goods

PBT

Persistent Bioaccumulative Toxic

REACH

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals, Regulation (EC) No 1907/2006

RID

Regulations concerning the International Carriage of Dangerous Goods by Rail

vPvB

Very Persistent and Very Bioaccumulative

Data sources:

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

Training advice:

Before using/handling the product one must carefully read the MSDS.

Full text of H- and EUH-statements:



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## **FoliaStim® B Mo Liquid**

Acute Tox. 4 (Dermal)  
Acute toxicity (dermal), Category 4  
Acute Tox. 4 (Inhalation)  
Acute toxicity (inhal.), Category 4  
Acute Tox. 4 (Oral)  
Acute toxicity (oral), Category 4  
Aquatic Chronic 3  
Hazardous to the aquatic environment – Chronic Hazard, Category 3  
Eye Dam. 1  
Serious eye damage/eye irritation, Category 1  
H302  
Harmful if swallowed.  
H312  
Harmful in contact with skin.  
H315  
Causes skin irritation.  
H318  
Causes serious eye damage.  
H332  
Harmful if inhaled.  
H335  
May cause respiratory irritation.  
H412  
Harmful to aquatic life with long lasting effects.  
Skin Irrit. 2  
Skin corrosion/irritation, Category 2  
STOT SE 3  
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

### **Company disclaimer**

This information has been prepared in good faith, based upon the details communicated to us (also by the manufacturer). As far as we know, the information is correct and complete. It is exclusively intended for the product and use as stated in the documents provided by us. Van Iperen BV shall not be held liable for any detrimental impact on persons or goods, in the unlikely event that this information eventually proves not to be entirely correct. For the sake of completeness, we emphasise that any liability shall be restricted by the applicable general terms and conditions filed with the Rotterdam district court on 2 July 2015 under file number AL 39/2015.