Taegro®

Product registration number: MAPP 19204; PCS No. 06601

Taegro® is a microorganism based fungicide formulated as a wettable powder containing 130 g/kg *Bacillus amyloliquefaciens* strain FZB24 (13% w/w, minimum of $1x10^{13}$ cfu/kg).

Taegro® suppresses diseases on cucurbits, solanaceae, lettuce and strawberry in protected situations and in grapevine in unprotected situations.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work (UK only).

In case of toxic or transport emergency ring +44 (0)1484 538444 any time.

FOR PROFESSIONAL USE ONLY

To avoid risks to human health and the environment, comply with the instructions for use.

TAEGRO® is a wettable powder containing *Bacillus amyloliquefaciens* strain FZB24 (13% w/w, minimum of $1x10^{13}$ cfu/kg).
Keep out of reach of children.
Do not breathe dust.
Wear protective gloves/protective clothing.
Wear respiratory protection.
Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty triple rinsed containers which may be disposed of as non-hazardous waste.
Contains *Bacillus amyloliquefaciens* strain FZB24. Micro-organisms may have the potential to provoke sensitising reactions.

MAPP No. 19204; PCS No. 06601

SAFETY PRECAUTIONS

(a) Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:
OPERATORS MUST WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when handling the concentrate or applying the product.
*Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent.
However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

- AVOID CONTACT with SKIN and EYES.
- IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).
- WASH HANDS AND EXPOSED SKIN before meals and after work.

(b) Environmental protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.
For Ireland only
When applying outdoors: To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

(c) Storage and disposal

- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.
- Keep in a cool, dry, well-ventilated place
- Protect from direct sunlight
- Do not store above 30°C. Do not freeze.
- Ideally, store at room temperature (around 23°C).

Taegro® has a shelf-life of 36 months at room temperature.

- Once open, use entire contents
- WASH OUT CONTAINER THOROUGHLY and dispose of container safely.
- CLEAN ALL EQUIPMENT after use.

IMPORTANT INFORMATION
FOR USE ONLY AS A FUNGICIDE BY PROFFESIONAL USERS

Crop	Maximum individual dose: (kg product/ha)	Maximum total dose	Maximum number of treatments:	Latest time of application:
Cucurbits in permanent protection with full enclosure (cucumber, courgette, melon, watermelon and summer squash)	0.370	-	12 per crop	1 day before harvest
Lettuce in permanent protection with full enclosure	0.370	-	12 per crop	1 day before harvest
Solanaceae in permanent protection with full enclosure (tomato, aubergine, pepper and chilli)	0.370	-	12 per crop	1 day before harvest
Strawberry in permanent protection with full enclosure	0.370	-	12 per crop	1 day before harvest
Table and wine grapes (Outdoor)	0.370	-	10 per year	1 day before harvest

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE.
FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

EPA Establishment Number:
33967-NJ-1

UK / IE

Approval holder
Novozymes A/S, Krogshoejvej 36, 2880 Bagsvaerd, Denmark

UK Marketing company
Syngenta UK Ltd., CPC 4, Capital Park, Fulbourn, Cambridge CB21 5XE,
Tel : +44 (0) 1223 883400

Irish Marketing company
Syngenta Ireland Ltd, Block 6, Cleaboy Business Park, Old Kilmeaden Road, Waterford, Ireland, Tel: (051) 377203

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L1082723 GBRI/11Z
Taegro is a registered trademark of Novozymes A/S

370g

Specimen

DIRECTIONS FOR USE
'IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product'.

Taegro® is a microorganism based fungicide containing the bacterium *Bacillus amyloliquefaciens* strain FZB24 (13% w/w, minimum of $1x10^{13}$ cfu/kg), naturally occurring in the environment and not genetically modified.
Bacillus amyloliquefaciens strain FZB24 can combine several modes of action: competition, antibiosis and induction of plant resistance.
To obtain the most effective use of Taegro, it should be applied prior to or in the early stages of disease development. It is good management, and therefore recommended, to use Taegro® as a component of IPM. Levels of suppression can be variable and additional control measures may be required.
Avoid Taegro® suspension in chlorinated water sources (at a concentration of 5 ppm or more). Apply Taegro® late in the day to reduce spore exposure to UV radiation.
Consult processors before using on crops grown for processing. The effects on fermentation processes in wine production have not been fully tested.
A fungicide treatment should only be applied at least 7 days after a treatment with Taegro®.

RESTRICTIONS
Taegro® has optimum performance when the temperature is between 15 and 30°C. Outside this temperature range, activity may be reduced but spores remain viable, unless temperatures rise above 40°C when spore viability may decline rapidly.

DISEASES CONTROLLED
Taegro® suppresses diseases on cucurbits, solanaceae, lettuce, strawberry and grapevine crops in protected and unprotected situations.

Cucurbits (cucumber, courgette, melon, watermelon and summer squash) in protected conditions	Powdery mildew
Lettuce in protected conditions	Downy mildew
Solanaceae in protected conditions (tomato, aubergine, pepper, and chilli)	Powdery mildew, Early blight
Strawberry in protected conditions	Grey mould
Table and wine grapes (Outdoor)	Grey mould, Powdery mildew

RESISTANCE
There are no reports of resistance to Taegro®, however it is good practice to use such products as components of Integrated Crop Management systems, alternating with other control measures. This is particularly important for sequential crops.

CROPS SPECIFIC INFORMATION
CUCURBITACEAE
Powdery mildew
Timing: BBCH 11-89
Rate of use: 0.37 kg product per hectare. 3 to 12 times applications should be performed per crop season with a minimum of 3 days interval between applications.

LETTUCE
Downy mildew
Timing: BBCH 12-49
Rate of use: 0.37 kg product per hectare. 3 to 12 times applications should be performed per crop season with a minimum of 3 days interval between applications

Specimen

SOLANACEAE
Powdery mildew
Timing: BBCH 20-89
Rate of use: 0.37 kg product per hectare. 3 to 12 times applications should be performed per crop season with a minimum of 3 days interval between applications
Early blight
Timing: BBCH 13-89
Rate of use: 0.37 kg product per hectare. 3 to 12 times applications should be performed per crop season with a minimum of 3 days interval between applications

STRAWBERRY
Grey mould
Timing: BBCH 61-89
Rate of use: 0.37 kg product per hectare. 3 to 12 times applications should be performed per crop season with a minimum of 3 days interval between applications

GRAPEVINE
Grey mould
Timing: BBCH 61-91
Rate of use: 0.37 kg product per hectare. 3 to 10 times applications should be performed per crop season with a minimum of 7 days interval between applications.
Powdery mildew
Timing: BBCH 00-89
Rate of use: 0.37 kg product per hectare. 3 to 10 times applications should be performed per crop season with a minimum of 7 days interval between applications.

MIXING AND SPRAYING
Taegro® must be pre-mixed thoroughly with water to assure a properly distributed suspension. If the pH of the water is less than 5 or greater than 8, adjust to a pH within the range 5-8 before mixing with Taegro®.
It is recommended to pre-mix the required amount of Taegro® in a container with 2-5 L of water. Add half of the water required to the tank and begin agitation. Then slowly empty the Taegro® pre-mix into the tank. When the suspension is thoroughly mixed, add the remaining water. Keep the mixture in constant agitation in the spray tank prior to application. Apply content of entire suspension within a few hours of mixing, and do not leave in direct sunlight during mixing and prior to application to ensure viability of Taegro®.
Taegro® can be applied using conventional spray machinery. No special machinery is required.

Volume of water
Use in water volumes of 180-1000 L/ha

COMPATIBILITY
Taegro® has been tested on a wide range of crops and conditions without causing crop damage. When used as recommended no unacceptable crop effects are expected.

While every care is taken, Novozymes A/S will accept no liability for lack of product effectiveness if the label instructions are not followed.

Specimen

Section 6 of the Health and Safety at Work Act
Additional Product Safety Information
(This section does not form part of the product label under the Plant Protection Products Regulations 1995.)
The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has 'Extension of Use' approval or is otherwise permitted under the Plant Protection Products Regulations.
The information on this label is based on the best available information including data from test results.

SAFETY DATA SHEET - V1

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/ UNDERTAKING
1.1 Product Identifier
Trade name: TAEGRO
Design code: A20570A
Product Registration Number: MAPP 19204; PCS No. 06601

1.2 Relevant Identified Uses of the substance or mixture and uses advised against
Use of the Substance/Mixture: Fungicide

1.3 Details of the supplier of the safety data sheet
UK Marketing Company: Syngenta UK Ltd
CPC4, Capital Park, Fulbourn, Cambridge, CB21 5XE
Telephone: +44 (0) 1223 883400
Telefax: +44 (0) 1223 882195
E-mail address: customer.services@syngenta.com
Irish Marketing Company: Syngenta Ireland Limited
Block 6 Cleaboy Business Park, Old Kilmeaden Road, Waterford, Ireland
Telephone: (051) 377203
Telefax: (051) 354748
E-mail address: cropsales.ie@syngenta.com

1.4 Emergency telephone number
Emergency phone No.: +44 1484 538444

SECTION 2. HAZARDS IDENTIFICATION
2.1 Classification of the substance or mixture
Classification (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

2.2 Label elements
Labelling (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

Supplemental Hazard Statements:
EUH401 To avoid risks to human health and the environment, comply with the instructions for use.
SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).
Precautionary statements:
P102 Keep out of reach of children.
P260 Do not breathe dust.
P280 Wear protective gloves/ protective clothing.
P284 Wear respiratory protection.

Specimen

2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures
Remarks : No hazardous ingredients

SECTION 4. FIRST-AID MEASURES

4.1 Description of first aid measures
General Advice: Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a poison control centre or physician, or going for treatment.
If inhaled: Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control centre immediately.
In case of skin contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.
In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.
If swallowed: If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.

4.2 Most Important symptoms and effects, both acute and delayed
Symptoms: Nonspecific. No symptoms known or expected.

4.3 Indication of any immediate medical attention and special treatment needed
Treatment: There is no specific antidote available. Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media
Extinguishing media - small fires
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media - large fires
Alcohol-resistant foam or Water spray.
Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture
As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

5.3 Advice for fire-fighters
Wear full protective clothing and self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Refer to protective measures listed in sections 7 and 8. Avoid dust formation.

Specimen

6.2 Environmental precautions
Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose of contaminated wash water.

6.4 Reference to other sections
Refer to protective measures listed in sections 7 and 8. Refer to disposal considerations listed in section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling
No special protective measures against fire required. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities
No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

7.3 Specific end use(s)
For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters
Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
starch	9005-25-8	TWA (inhalable dust)	10 mg/m^3	GB EH40
Further information	For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/4 General methods for sampling and gravimetric analysis or respirable, thoracic and inhalable aerosols, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed to dust above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limits., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system, and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed ‘inhalable’ and ‘respirable’., Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/4., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific shortterm exposure limit is listed, a figure three times the long-term exposure limit should be used.			

Specimen

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
	9005-25-8	TWA (Respirable dust)	4 mg/m^3	GB EH40
silicon dioxide, chemically prepared	112926-00-8	TWA (inhalable dust)	6 mg/m^3 (Silica)	GB EH40
Further information	For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/4 General methods for sampling and gravimetric analysis or respirable, thoracic and inhalable aerosols, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed to dust above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limits., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system, and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'., Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/4., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific shortterm exposure limit is listed, a figure three times the long-term exposure limit should be used.			
	112926-00-8	TWA (Respirable dust)	2.4 mg/m^3 (Silica)	GB EH40
sucrose, pure	57-50-1	TWA	10 mg/m^3	GB EH40
	57-50-1	STEL	20 mg/m^3	GB EH40

8.2 Exposure controls

Engineering Measures: Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection

Remarks: No special protective equipment required.

Skin and body protection : No special protective equipment required.

Select skin and body protection based on the physical job requirements.

Respiratory protection : No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Protective measures : The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.

Specimen

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	powder
Colour:	beige
Odour:	No data available
Odour Threshold:	No data available
pH:	6.57 (20 °C)
Melting point/range:	No data available
Boiling point/boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Density:	0.186 g/cm^3 (20 °C)
Solubility in other solvents:	No data available
Partition Coefficient n-octanol/water:	No data available
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2 Other Information

No data available

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid: No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid: None known.

10.6 Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition products are known.

Specimen

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on likely routes of exposure: Ingestion, Inhalation, Skin contact, Eye contact

Further information

Product:

Remarks : The product contains no substances classified as hazardous to health in concentrations which should be taken into account.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Do not contaminate ponds, waterways or ditches with chemical or used container.
Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with local regulations.
Contaminated packaging: Empty remaining contents. Triple rinse containers. Empty containers should be taken to an approved waste handling site for recycling or waste disposal. Do not re-use empty containers.
Waste Code: 15 01 10, packaging containing residues of or contaminated by hazardous substances

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SECTION 14. TRANSPORT INFORMATION

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

Specimen

14.5 Environmental hazards
Not regulated as a dangerous good

14.6 Special precautions for user
Remarks : Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION
15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).: Not applicable
REACH - List of substances subject to authorisation (Annex XIV): Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: Not applicable
Regulation (EC) No 850/2004 on persistent organic pollutants: Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): Not applicable
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

Other regulations:
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

15.2 Chemical Safety Assessment
A chemical safety assessment is not required for this substance when it is used in the specified applications.

SECTION 16. OTHER INFORMATION
Full text of other abbreviations
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

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; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation or Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No

Specimen

Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

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 a 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 process, unless specified in the text.

Product names are a trademark or registered trademark of Novozymes A/S.

Specimen

Taegro®

Product registration number: MAPP 19204; PCS No. 06601

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Taegro® suppresses diseases on cucurbits, solanaceae, lettuce and strawberry in protected situations and in grapevine in unprotected situations.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work (UK only).

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FOR PROFESSIONAL USE ONLY

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Keep out of reach of children.
Do not breathe dust.
Wear protective gloves/protective clothing.
Wear respiratory protection.
Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty triple rinsed containers which may be disposed of as non-hazardous waste.
Contains *Bacillus amyloliquefaciens* strain FZB24. Micro-organisms may have the potential to provoke sensitising reactions.

MAPP No. 19204; PCS No. 06601

SAFETY PRECAUTIONS

(a) Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:
OPERATORS MUST WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when handling the concentrate or applying the product.
*Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

- AVOID CONTACT with SKIN and EYES.
- IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).
- WASH HANDS AND EXPOSED SKIN before meals and after work.

(b) Environmental protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

For Ireland only

When applying outdoors: To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

(c) Storage and disposal

- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.
- Keep in a cool, dry, well-ventilated place
- Protect from direct sunlight
- Do not store above 30°C. Do not freeze.
- Ideally, store at room temperature (around 23°C).

Taegro® has a shelf-life of 36 months at room temperature.

- Once open, use entire contents
- WASH OUT CONTAINER THOROUGHLY and dispose of container safely.
- CLEAN ALL EQUIPMENT after use.

IMPORTANT INFORMATION

FOR USE ONLY AS A FUNGICIDE BY PROFFESIONAL USERS

Crop	Maximum individual dose: (kg product/ha)	Maximum total dose	Maximum number of treatments:	Latest time of application:
Cucurbits in permanent protection with full enclosure (cucumber, courgette, melon, watermelon and summer squash)	0.370	-	12 per crop	1 day before harvest
Lettuce in permanent protection with full enclosure	0.370	-	12 per crop	1 day before harvest
Solanaceae in permanent protection with full enclosure (tomato, aubergine, pepper and chilli)	0.370	-	12 per crop	1 day before harvest
Strawberry in permanent protection with full enclosure	0.370	-	12 per crop	1 day before harvest
Table and wine grapes (Outdoor)	0.370	-	10 per year	1 day before harvest

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE.
FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

EPA Establishment Number:
33967-NJ-1

UK / IE

Approval holder

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Specimen