

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0      Revision Date: 2025/04/14      SDS Number (Internal): 11482491-00003      Date of last issue: 2024/12/20  
Date of first issue: 2024/12/17

---

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Bacillus 5 Formulation  
Product code : PondPlus®, PROQUATIC PONDPLUS, Crab Plus

#### Recommended use of the chemical and restrictions on use

Recommended use : Veterinary product  
Restrictions on use : No data available

#### Manufacturer or supplier's details

Company : Merck & Co., Inc  
Address : 126 E. Lincoln Avenue  
Rahway, New Jersey U.S.A. 07065  
Telephone : +1-908-740-4000  
Emergency telephone number : +1-908-423-6000  
E-mail address : EHSDATASTEWARD@msd.com

---

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

This material is not classified as hazardous under the Article 104 of the Occupational Safety and Health Act (OSHA). It is not regulated for the MSDS creation and labeling by the provision of Article 110 Paragraph 1 of the OSHA.

#### GHS label elements

This material is not classified as hazardous under the Article 104 of the Occupational Safety and Health Act (OSHA). It is not regulated for the MSDS creation and labeling by the provision of Article 110 Paragraph 1 of the OSHA.

Hazard pictograms : Not applicable  
Signal word : Not applicable  
Hazard statements : Not applicable  
Precautionary statements : **Prevention:**  
P264 Wash the contact area thoroughly after handling.  
**Disposal:**  
P501 Dispose of contents and container according to wastes control act.

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0	Revision Date: 2025/04/14	SDS Number (Internal): 11482491-00003	Date of last issue: 2024/12/20 Date of first issue: 2024/12/17
-------------	---------------------------	---------------------------------------	---

### Other hazards which do not result in classification

Dust contact with the eyes can lead to mechanical irritation.

Contact with dust can cause mechanical irritation or drying of the skin.

May form explosive dust-air mixture during processing, handling or other means.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	Common Name	CAS-No.	Concentration (% w/w)
Silicon dioxide	Silica	7631-86-9	>= 30 - < 40
Diatomaceous silica	Silica - Diatomaceous earth	61790-53-2	>= 0.1 - < 1
Bacillus licheniformis	No data available	68038-66-4	>= 0.1 - < 1
Bacillus amyloliquefaciens	No data available	68038-60-8	< 0.1
Bacillus pumilus	No data available	1383428-50-9	< 0.1
Bacillus subtilis	No data available	68038-70-0	< 0.1
Bacillus megaterium	No data available	68038-67-5	< 0.1
Wheat bran	No data available	116469-86-4	>= 60 - < 70

### 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.

In case of eye contact : If in eyes, rinse well with water.  
Get medical attention if irritation develops and persists.

In case of skin contact : Wash with water and soap.  
Get medical attention if symptoms occur.

If inhaled : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.

If swallowed : If swallowed, DO NOT induce vomiting.  
Get medical attention if symptoms occur.  
Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed : Contact with dust can cause mechanical irritation or drying of the skin.  
Dust contact with the eyes can lead to mechanical irritation.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : Treat symptomatically and supportively.

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version  
3.0

Revision Date:  
2025/04/14

SDS Number (Internal):  
11482491-00003

Date of last issue: 2024/12/20  
Date of first issue: 2024/12/17

---

## 5. FIREFIGHTING MEASURES

### Suitable and unsuitable extinguishing media

Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : None known.

Specific hazards during fire-fighting : Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.  
Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.  
Use personal protective equipment.

---

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

Environmental precautions : Avoid release to the environment.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).  
Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are re-

**Bacillus 5 Formulation**Version  
3.0Revision Date:  
2025/04/14SDS Number (Internal):  
11482491-00003Date of last issue: 2024/12/20  
Date of first issue: 2024/12/17

leased into the atmosphere in sufficient concentration. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

**7. HANDLING AND STORAGE**

Technical measures	: Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation	: Use only with adequate ventilation.
Advice on safe handling	: Do not breathe dust. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	: Keep in properly labelled containers. Store in accordance with the particular national regulations.
Materials to avoid	: Do not store with the following product types: Strong oxidizing agents

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Diatomaceous silica	61790-53-2	TWA	10 mg/m <sup>3</sup>	KR OEL

Other ingredients, which are listed in section 3 but not listed in this section, do not have established occupational exposure limit values.

**Engineering measures**

: All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices). Minimize open handling.

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version  
3.0

Revision Date:  
2025/04/14

SDS Number (Internal):  
11482491-00003

Date of last issue: 2024/12/20  
Date of first issue: 2024/12/17

**Personal protective equipment. Among the following personal protective equipment, the PPEs which require safety certification need to be certified by KOSHA.**

Respiratory protection : Use respiratory protection (dust mask) unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Particulates type

Eye protection : Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.

Hand protection

Material : Chemical-resistant gloves

Remarks : Consider double gloving.

Skin and body protection : Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.

Hygiene measures : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

Colour : light brown, dark brown

Odour : No data available

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Initial boiling point and boiling range : No data available

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0      Revision Date: 2025/04/14      SDS Number (Internal): 11482491-00003      Date of last issue: 2024/12/20  
Date of first issue: 2024/12/17

---

Flash point	: No data available
Evaporation rate	: Not applicable
Flammability (solid, gas)	: May form explosive dust-air mixture during processing, handling or other means.
Flammability (liquids)	: Not applicable
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapour pressure	: Not applicable
Solubility(ies)	
Water solubility	: insoluble
Relative vapour density	: Not applicable
Relative density	: No data available
Density	: 0.47 g/cm <sup>3</sup>
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, kinematic	: Not applicable
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: No data available
Particle characteristics	
Particle size	: No data available

---

## 10. STABILITY AND REACTIVITY

Chemical stability and possibility of hazardous reactions	: Reactivity: Not classified as a reactivity hazard.
---	---

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0      Revision Date: 2025/04/14      SDS Number (Internal): 11482491-00003      Date of last issue: 2024/12/20      Date of first issue: 2024/12/17

---

	Chemical stability: Stable under normal conditions.
	Possibility of hazardous reactions: May form explosive dust-air mixture during processing, handling or other means.
	Can react with strong oxidizing agents.
Conditions to avoid	: Heat, flames and sparks. Avoid dust formation.
Incompatible materials	: Oxidizing agents
Hazardous decomposition products	: No hazardous decomposition products are known.

## 11. TOXICOLOGICAL INFORMATION

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

### Health hazard information

#### Acute toxicity

#### Components:

#### **Silicon dioxide:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 2.08 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

#### **Diatomaceous silica:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 401  
Remarks: The test was conducted according to guideline  
Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat): > 1 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Remarks: Based on data from similar materials

#### **Bacillus amyloliquefaciens :**

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Remarks: Based on data from similar materials

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0      Revision Date: 2025/04/14      SDS Number (Internal): 11482491-00003      Date of last issue: 2024/12/20  
Date of first issue: 2024/12/17

---

### Skin corrosion/irritation

#### Components:

##### **Silicon dioxide:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

##### **Diatomaceous silica:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation  
Remarks : The test was conducted according to guideline  
Based on data from similar materials

### Serious eye damage/eye irritation

#### Components:

##### **Silicon dioxide:**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405

##### **Diatomaceous silica:**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405  
Remarks : The test was conducted according to guideline  
Based on data from similar materials

### Respiratory or skin sensitisation

#### Components:

##### **Diatomaceous silica:**

Test Type : Local lymph node assay (LLNA)  
Exposure routes : Skin contact  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : negative  
Remarks : The test was conducted according to guideline  
Based on data from similar materials

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0      Revision Date: 2025/04/14      SDS Number (Internal): 11482491-00003      Date of last issue: 2024/12/20  
Date of first issue: 2024/12/17

---

### Carcinogenicity

#### Components:

##### **Silicon dioxide:**

No data available

Species	:	Rat
Application Route	:	Ingestion
Exposure time	:	103 weeks
Result	:	negative

##### **Diatomaceous silica:**

No data available

Species	:	Rat
Application Route	:	Ingestion
Exposure time	:	103 weeks
Result	:	negative
Remarks	:	Based on data from similar materials

##### **Bacillus licheniformis:**

No data available

##### **Bacillus amyloliquefaciens :**

No data available

##### **Bacillus pumilus:**

No data available

##### **Bacillus subtilis:**

No data available

##### **Bacillus megaterium:**

No data available

##### **Wheat bran:**

No data available

### Germ cell mutagenicity

#### Components:

##### **Silicon dioxide:**

No data available

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0      Revision Date: 2025/04/14      SDS Number (Internal): 11482491-00003      Date of last issue: 2024/12/20  
Date of first issue: 2024/12/17

---

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Method: OECD Test Guideline 471  
Result: negative

Genotoxicity in vivo : Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis)  
Species: Rat  
Application Route: Ingestion  
Result: negative

### **Diatomaceous silica:**

No data available

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Method: OECD Test Guideline 471  
Result: negative  
Remarks: The test was conducted according to guideline  
Based on data from similar materials

Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative  
Remarks: The test was conducted according to guideline  
Based on data from similar materials

Test Type: Chromosome aberration test in vitro  
Method: OECD Test Guideline 473  
Result: negative  
Remarks: The test was conducted according to guideline  
Based on data from similar materials

Genotoxicity in vivo : Test Type: In vivo mammalian alkaline comet assay  
Species: Rat (male)  
Application Route: Ingestion  
Method: OECD Test Guideline 489  
Result: negative  
Remarks: The test was conducted according to guideline  
Based on data from similar materials

### **Bacillus licheniformis:**

No data available

### **Bacillus amyloliquefaciens :**

No data available

### **Bacillus pumilus:**

No data available

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version  
3.0

Revision Date:  
2025/04/14

SDS Number (Internal):  
11482491-00003

Date of last issue: 2024/12/20  
Date of first issue: 2024/12/17

---

### **Bacillus subtilis:**

No data available

### **Bacillus megaterium:**

No data available

### **Wheat bran:**

No data available

### **Reproductive toxicity**

#### **Components:**

##### **Silicon dioxide:**

No data available

Effects on foetal development

: Test Type: Embryo-foetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative

### **Diatomaceous silica:**

No data available

### **Bacillus licheniformis:**

No data available

### **Bacillus amyloliquefaciens :**

No data available

### **Bacillus pumilus:**

No data available

### **Bacillus subtilis:**

No data available

### **Bacillus megaterium:**

No data available

### **Wheat bran:**

No data available

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0      Revision Date: 2025/04/14      SDS Number (Internal): 11482491-00003      Date of last issue: 2024/12/20  
Date of first issue: 2024/12/17

---

### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

### Repeated dose toxicity

#### Components:

##### **Silicon dioxide:**

Species : Rat  
NOAEL : 1.3 mg/m<sup>3</sup>  
Application Route : inhalation (dust/mist/fume)  
Exposure time : 13 Weeks

##### **Diatomaceous silica:**

Species : Rat  
NOAEL : > 100 mg/kg  
Application Route : Ingestion  
Exposure time : 90 Days  
Remarks : Based on data from similar materials

### Aspiration toxicity

No data available

### Experience with human exposure

No data available

### Toxicology, Metabolism, Distribution

No data available

### Neurological effects

No data available

### Further information

No data available

---

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### **Silicon dioxide:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 10,000 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0      Revision Date: 2025/04/14      SDS Number (Internal): 11482491-00003      Date of last issue: 2024/12/20      Date of first issue: 2024/12/17

---

aquatic invertebrates	Exposure time: 24 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: EC50 (Desmodesmus subspicatus (green algae)): > 10,000 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials
	NOEC (Desmodesmus subspicatus (green algae)): 10,000 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials
<b>Diatomaceous silica:</b>	
Toxicity to fish	: LL50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 203 Remarks: The test was conducted according to guideline Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	: EL50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 202 Remarks: The test was conducted according to guideline Based on data from similar materials
Toxicity to algae/aquatic plants	: EL50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 201 Remarks: The test was conducted according to guideline Based on data from similar materials
	NOELR (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 201 Remarks: The test was conducted according to guideline Based on data from similar materials
Toxicity to microorganisms	: NOEC (activated sludge): > 1 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: The test was conducted according to guideline Based on data from similar materials

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0 Revision Date: 2025/04/14 SDS Number (Internal): 11482491-00003 Date of last issue: 2024/12/20 Date of first issue: 2024/12/17

---

### **Bacillus amyloliquefaciens :**

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l 2.16 x 10^9 CFU/L  
Exposure time: 48 h  
Remarks: Based on data from similar materials

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): > 1 mg/l 1.72 x 10^9 CFU/L  
Exposure time: 30 d  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): > 1 x 10^5 CFU/mL  
Exposure time: 21 d  
Remarks: Based on data from similar materials

### **Persistence and degradability**

#### **Product:**

Biodegradability : Remarks: Inherently biodegradable.

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **Other adverse effects**

No data available

---

## 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : Dispose of contents and container according to wastes control act.  
Do not dispose of waste into sewer.  
Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

### **Disposal precautions**

Dispose of contents and container according to wastes control act.

---

## 14. TRANSPORT INFORMATION

### **International Regulations**

#### **UNRTDG**

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0 Revision Date: 2025/04/14 SDS Number (Internal): 11482491-00003 Date of last issue: 2024/12/20 Date of first issue: 2024/12/17

---

Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Environmentally hazardous : no

### IATA-DGR

UN/ID No. : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Packing instruction (cargo aircraft) : Not applicable  
Packing instruction (passenger aircraft) : Not applicable

### IMDG-Code

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
EmS Code : Not applicable  
Marine pollutant : no

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

Not applicable for product as supplied.

### National Regulations

Refer to section 15 for specific national regulation.

### Special precautions for user

Not applicable

---

## 15. REGULATORY INFORMATION

### National regulatory information

#### Regulation under the Occupational Safety and Health Act

#### Harmful Substances Prohibited from Manufacturing

Not applicable

#### Harmful Substances Required Permission for Manufacture

Not applicable

#### Harmful Agents to be kept below Occupational Exposure Limits

Chemical name	CAS-No.
Silica (Amorphous diatomaceous earth)	61790-53-2

#### Harmful Agents Required to be kept below Permission Levels

Not applicable

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0 Revision Date: 2025/04/14 SDS Number (Internal): 11482491-00003 Date of last issue: 2024/12/20 Date of first issue: 2024/12/17

---

### Hazardous substances requiring management

Not applicable

### Special Management Materials

Not applicable

### Controlled Substances Subject to Environment Monitoring

Chemical name	CAS-No.	Threshold limits (%)
Silica	7631-86-9	
Silica	61790-53-2	

### Controlled Substances Subject to Health Examination

Chemical name	CAS-No.	Threshold limits (%)
Mineral dusts	61790-53-2	

### Hazardous Substances Subject to Process Safety Management (PSM) Reporting Obligation

Not applicable

### K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 1)

Not applicable

### K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 9)

Not applicable

### Regulation under the Chemicals Control Act

#### Toxic Chemicals

Not applicable

#### Restricted Chemicals

Not applicable

#### Prohibited Chemicals

Not applicable

#### Toxic Release Inventory

Not applicable

#### Accident Precaution Chemicals

Not applicable

#### Dangerous Substances Safety Management Act

Not Applicable to Dangerous Materials

#### Wastes Control Act

Industrial general wastes

Follow article 13 of the act to dispose the product waste

### Other requirements in domestic and other countries

#### The components of this product are reported in the following inventories:

AICS : not determined

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version 3.0 Revision Date: 2025/04/14 SDS Number (Internal): 11482491-00003 Date of last issue: 2024/12/20 Date of first issue: 2024/12/17

---

DSL : not determined

IECSC : not determined

## 16. OTHER INFORMATION

Other information : none  
Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

### Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Issuing date : 2024/12/17

### Revision number and date

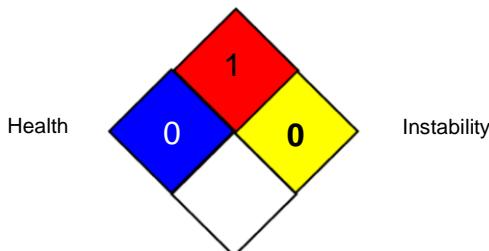
Number of Revision : 2  
Revision Date : 2025/04/14

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format : yyyy/mm/dd

### NFPA:

Flammability



Special hazard

### Full text of other abbreviations

KR OEL : Harmful Agents to be kept below Occupational Exposure Limits

# SAFETY DATA SHEET



## Bacillus 5 Formulation

Version  
3.0

Revision Date:  
2025/04/14

SDS Number (Internal):  
11482491-00003

Date of last issue: 2024/12/20  
Date of first issue: 2024/12/17

---

KR OEL / TWA

: Time Weighted Average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; 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 for 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; 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; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

KR / EN