

## 1. IDENTIFICATION

**Product identifier** Product Name **Bacillus subtilis derived from NCTC 10400**

### Other means of identification

**Product Code** 10K-0003  
**UN/ID no.** Not a DOT controlled material (United States).  
**Synonyms** None

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

**Recommended Use** For Laboratory Use Only  
**Uses advised against** No information available

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

#### **Manufacturer Address**

NSI Lab Solutions, Inc.  
7212 ACC Blvd.  
Raleigh, NC 27617

#### **Emergency telephone number**

**Company Phone Number** 1-800-234-7837  
**FAX** 919-789-3019  
**Website** www.nsilabsolutions.com  
**E-mail address** nsilabsolutions@antylia.com  
**Emergency Telephone** 1-800-234-7837

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This substance is not hazardous as defined by OSHA 29CFR 1910.1200; however, this product should be handled according to good lab practices, with proper personal protective equipment, proper engineering controls, and within the parameters of the purchaser's safety program.

### Label elements

#### Emergency Overview

**Not classified**

#### **Hazard statements**

May be harmful if swallowed.

#### **Appearance**

Microorganism pellet/disc may be pale or colored depending upon the product item number. Depending upon product item number, microorganism pellet may be

A. packaged in vacuum stoppered glass vial with tear off crimp cap B. sealed within a labeled plastic swab stick tube within labeled foil pouch C. colored disc in plastic 2ml tube placed on top of cotton plug and colored desiccant granules.

**Physical state** No information available

**Odor** No information available

#### **Precautionary Statements - Prevention**

All microbial substances should be handled by qualified microbiologists using appropriate safety procedures and precautions. Detailed information on laboratory safety procedures are provided in Laboratory Safety: Principles and Practice (Fleming et al) and in the U.S. Government Publication, Biosafety in Microbiological and Biomedical Laboratories.

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**Hazards not otherwise classified (HNOC)** Not applicable

**Other Information**  
Not applicable

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

This substance is not hazardous as defined by OSHA 29CFR 1910.1200; however, this product should be handled according to good lab practices, with proper personal protective equipment, proper engineering controls, and within the parameters of the purchaser's safety program.

**Formula**

Refer to Certificate of Analysis for product details.

### **4. FIRST AID MEASURES**

**Description of first aid measures**

**Eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Inhalation**

Remove to fresh air.

**Ingestion**

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**Most important symptoms and effects, both acute and delayed**

**Symptoms**

No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians**

Treat symptomatically.

### **5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical**

Responders should take into consideration the biohazard risk associated with responding to a fire in the area where the material may be stored or handled.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

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**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Wear protective gloves/protective clothing and eye/face protection. Do not get in eyes, on skin, or on clothing.

**For emergency responders** Responders should take into consideration the biohazard risk associated with responding to a spill in the area where the material may be stored or handled.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Allow aerosols to settle. Wearing protective clothing, gently cover spill with paper towel and apply 1% sodium hypochlorite, starting at perimeter and working towards the center. Allow sufficient contact time before clean up (30 minutes). The use of additional personal protective equipment may be necessary for cleaning solutions.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Handle and store according to instructions on product information sheet and label.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep in properly labeled containers.

**Incompatible materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. **Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	No information available		
<b>Appearance</b>	This microbial substance is packaged	<b>Odor</b>	No information available

<b>Color</b>	No information available	<b>Odor threshold</b>	No information available
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<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
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<b>pH</b>	No information available
<b>Melting point / freezing point</b>	No information available
<b>Boiling point / boiling range</b>	No information available
<b>Flash point</b>	No information available
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limit in Air</b>	
<b>Upper flammability limit:</b>	No information available
<b>Lower flammability limit:</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Relative density</b>	No information available
<b>Water solubility</b>	No information available
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	No information available
<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</b>	No information available

<b>Oxidizing properties</b>	No information available
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**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions** None under normal processing.

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

<b>Product Information</b>	No data available
<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin contact</b>	No data available.
<b>Ingestion</b>	May be harmful if swallowed.

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Decontaminate all wastes before disposal (steam sterilization, chemical disinfection, and/or incineration).

## 14. TRANSPORT INFORMATION

### DOT

UN/ID no. UN3373

Not a DOT controlled material (United States).

### IATA

Not regulated

### IMDG

Not regulated

### RID

Not regulated

### ADR

Not regulated

### ADN

Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	-
DSL/NDSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECL	-
PICCS	-
AICS	-

### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product, as supplied, does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	<b>Health hazards</b> 0	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and Chemical Properties -</b>
<b>HMIS</b>	<b>Health hazards</b> 0	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal protection</b> X

**Issue Date** 10-July-2023  
**Revision Date**  
**Revision Note**

**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 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.

**End of Safety Data Sheet**