

This safety data sheet was created pursuant to the requirements of: United States of America

Revision date 08-Jul-2022

Revision Number 1

1. Identification

Product identifier

Product Name Axta® PHY GOLD 50 T2

Other means of identification

Product Code(s) A14188

Recommended use of the chemical and restrictions on use

Recommended use Animal feed

Restrictions on use

Details of the supplier of the safety data sheet

Supplier Address

Danisco US Inc.
Genencor, a Danisco Division
3490 Winton Place
Rochester, New York 14623
USA
+1 (585) 256-5200
+1 (800) 847-5311

E-mail address

sds.genencor@iff.com

Emergency telephone number

CHEMTREC: +1-800-424-9300
(outside the U.S. & Canada +1-703-741-5970)

2. Hazard(s) identification

Classification

Respiratory sensitization	Category 1
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Label elements

Signal word: Danger

Hazard statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled



5. Fire-fighting measures

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	None.
Specific hazards arising from the chemical	None known.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment for fire-fighters	Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid generation of dust and aerosols. Avoid breathing dust or spray mist. Use personal protection recommended in Section 8.
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Methods and material for containment and cleaning up

Methods for containment	Cover with absorbent or contain. Collect and dispose.
Methods for cleaning up	Use appropriate personal protective equipment (PPE). Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust.

7. Handling and storage

Precautions for safe handling

Advice on safe handling	Avoid breathing dust or spray mist. Avoid generation of dust and aerosols. Avoid contact with eyes, skin and clothing. Ensure adequate ventilation.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep/store only in original container. Keep container tightly closed in a dry and well-ventilated place.
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8. Exposure controls/personal protection

Control parameters

Exposure Limits	Based on data available for ingredients
Derived minimal effect level (DMEL) of 60 ng/m ³ for workers and 15 ng/m ³ for consumers has been derived for enzyme proteins	

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
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Sucrose 57-50-1	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
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Appropriate engineering controls

Engineering controls Transfer via enclosed lines. Formulate in enclosed or ventilated mixing vessels. Carefully handle the substance to minimize inhalation exposure to dust and aerosols. Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

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

Hand protection Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves.

Skin and body protection No special protective equipment required.

Respiratory protection If exposure limits are likely to be exceeded or if irritation or other symptoms are experienced, NIOSH/MSHA or EN 136 approved respiratory protection should be worn.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Appearance	Fine granular
Physical state	Solid
Color	light brown
Odor	No information available
Odor threshold	No information available

Property	Values	Remarks • Method
pH	No data available	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known

Dynamic viscosity	No data available	None known
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Other information

Explosive properties	No information available
Oxidizing properties	No information available
Bulk density	1.2 kg/l

10. Stability and reactivity

Reactivity	Not expected.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None known based on information supplied.
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****Product Information**

Acute toxicity	
Inhalation	See section 2 for classified hazards based on component information.
Eye contact	See section 2 for classified hazards based on component information.
Skin contact	See section 2 for classified hazards based on component information.
Ingestion	See section 2 for classified hazards based on component information.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Respiratory or skin sensitization	Respiratory: May cause sensitization in susceptible persons. Repeated inhalation of enzyme containing aerosol (dust or mist) can cause a respiratory allergy in some individuals.
Germ cell mutagenicity	No data available.
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
STOT - single exposure	No data available.
STOT - repeated exposure	No data available.
Aspiration hazard	Not expected.
Other adverse effects	None known.

Numerical measures of toxicity

Component Information	Based on data available for ingredients
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Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Phytase 9001-89-2	>5000 mg/kg (Rat)	-	>4 mg/L (Rat) 4 h

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sucrose 57-50-1	= 29700 mg/kg (Rat)	-	-

Phytase 9001-89-2

Eye irritation	OECD Test No. 405: Acute Eye Irritation/Corrosion: Negative.
Skin irritation	OECD Test No. 404: Acute Dermal Irritation/Corrosion: Negative.
Respiratory irritation	Not expected
Sensitization	Respiratory: May cause sensitization in susceptible persons. Repeated inhalation of enzyme containing aerosol (dust or mist) can cause a respiratory allergy in some individuals. Not a skin sensitizer.
Reproductive effects	Not expected
Mutagenic effects	OECD Test No. 471: Bacterial Reverse Mutation Test: Negative. OECD Test No. 473: In vitro Mammalian Chromosome Aberration Test: Negative.
Systemic Toxicity	OECD Test No. 408: Repeated Dose 90-Day Oral Toxicity Study in Rodents: Negative. NOAEL (No observed adverse effect level) = 1000 mg/kg/day
Carcinogenicity	Not expected
Teratogenicity	Not expected.

12. Ecological information

Ecotoxicity Based on data available for ingredients

Persistence and degradability Based on data available for ingredients.

Bioaccumulative potential Based on data available for ingredients.

Chemical name	Biodegradation	Bioaccumulation/Accumulation
Phytase 9001-89-2	Readily biodegradable	No bioaccumulation potential

Chemical name	Partition coefficient
Phytase 9001-89-2	-1.3

Mobility Soluble in water

Other adverse effects No information available.

13. Disposal considerations

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Dispose of empty containers and wastes safely. Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

14. Transport information

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

International Inventories

TSCA

Chemical name	CAS No	US TSCA Inventory listing	US TSCA active/inactive designation
Phytase	9001-89-2	Present	Active
Sucrose	57-50-1	Present	Active

Chemical name	AICS	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS
Phytase 9001-89-2	-	X	-	-	X	-	-
Sucrose 57-50-1	X	X	X	-	X	X	X

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

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product 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

Based on data available for ingredients

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sucrose 57-50-1	-	X	X

16. Other information

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

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Revision Note ***Indicates updated data since last publication.

Disclaimer

The information provided in this Material 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