

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

Revision date 04-Jan-2024

Revision Number 2

## 1. Identification

### Product identifier

Product Name Axta® PRO 302 TPT

Product Code(s) A01067

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

Recommended use Animal feed\*\*\*

Restrictions on use None under normal use conditions

### 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  
+ 1 800 255 6837 (General Information)\*\*\*

#### E-mail address

sds.genencor@iff.com

#### Emergency telephone number

Local (Washington DC): +1 703-741-5970  
Toll Free: 1-800-424-9300

## 2. Hazard(s) identification

### Classification

Respiratory sensitization

Category 1\*\*\*

### Label elements

Signal word: Danger\*\*\*

#### Hazard statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled\*\*\*



Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray  
In case of inadequate ventilation wear respiratory protection\*\*\*

#### Precautionary Statements - Response

\*\*\*

IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing  
If experiencing respiratory symptoms: Call a POISON CENTER or doctor\*\*\*

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant\*\*\*

#### Hazards not otherwise classified (HNOC)

Not applicable

#### Other information

No information available.

### 3. Composition/information on ingredients

#### Mixture

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Chemical name	CAS No.	Weight-%
Calcium carbonate***	471-34-1	80 - 85
Subtilisin***	9014-01-1	0.1 - <1

\*The exact percentage (concentration) of composition has been withheld as a trade secret.\*\*\*

### 4. First-aid measures

#### Description of first aid measures

##### General advice

When in doubt or if symptoms are observed, get medical advice.\*\*\*

##### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.\*\*\*

##### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.\*\*\*

##### Skin contact

IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.\*\*\*

##### Ingestion

IF SWALLOWED: Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention if symptoms occur.\*\*\*

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

##### Symptoms

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Most important symptoms and effects, both acute and delayed.\*\*\*

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

##### Note to physicians

Treat symptomatically.

## 5. Fire-fighting measures

<b>Suitable Extinguishing Media</b>	Carbon dioxide (CO <sub>2</sub> ). Water spray. Foam. Dry powder.***
<b>Unsuitable extinguishing media</b>	None known.***
<b>Specific hazards arising from the chemical</b>	None known.***
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	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.\*\*\*

### Methods and material for containment and cleaning up

**Methods for containment** Cover with absorbent or contain. Collect and dispose.\*\*\*

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Avoid generation of dust and aerosols. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist.\*\*\*

### 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.\*\*\*

## 8. Exposure controls/personal protection

### Control parameters

**Exposure Limits** Based on data available for ingredients

Derived minimal effect level (DMEL) of 60 ng/m<sup>3</sup> for workers and 15 ng/m<sup>3</sup> for consumers has been derived for enzyme proteins\*\*\*

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Calcium carbonate*** 471-34-1	-	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust***

Subtilisin*** 9014-01-1	-	(vacated) STEL: 0.00006 mg/m <sup>3</sup> 60 min***	STEL: 0.00006 mg/m <sup>3</sup> 60 min Subtilisins***
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**Appropriate engineering controls**

**Engineering controls** Transfer via enclosed lines or with a method that minimizes dust/aerosol generation. Formulate in enclosed or ventilated mixing vessels. Carefully handle the substance to minimize releases. Avoid generation of dust and aerosols.\*\*\*

**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** Wear protective gloves and protective clothing.\*\*\*

**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** Granules\*\*\*

**Physical state** Solid\*\*\*

**Color** light brown\*\*\*

**Odor** No information available

**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
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	No data available	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

**Other information**

**Explosive properties** No information available

**Oxidizing properties** No information available

Bulk density 1.33 kg/L\*\*\*

## 10. Stability and reactivity

**Reactivity** No information available.

**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.\*\*\*

### 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 information available.

#### Reproductive toxicity

No information available.

#### STOT - single exposure

No information available.

#### STOT - repeated exposure

No information available.

#### Aspiration hazard

No information available.

### Numerical measures of toxicity

#### Component Information

Based on data available for ingredients

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium carbonate*** 471-34-1	>2000 mg/kg ( Rat ) ***	>2000 mg/kg ( Rat )***	>3 mg/L ( Rat ) 4 h***
Subtilisin*** 9014-01-1	=1800 mg/kg ( Rat )***	-	-

Calcium carbonate\*\*\* 471-34-1

<b>Eye irritation</b>	Non-irritant***
<b>Skin irritation</b>	Non-irritant***
<b>Respiratory irritation</b>	Not expected***
<b>Sensitization</b>	Not a skin sensitizer***
<b>Reproductive effects</b>	OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test: Negative. NOAEL (No observed adverse effect level) =1000*** mg/kg bw/day***
<b>Mutagenic effects</b>	Not expected***
<b>Systemic Toxicity</b>	NOAEL (No observed adverse effect level) =1000*** mg/kg bw/day***
<b>Carcinogenicity</b>	Not expected***
<b>Teratogenicity</b>	OECD Test No. 414: Prenatal Development Toxicity Study: Negative. NOAEL (No observed adverse effect level) =1963 - 2188*** mg/kg bw/day***

*Subtilisin\*\*\* 9014-01-1*

<b>Eye irritation</b>	Causes severe eye irritation. OECD Test No. 405: Acute Eye Irritation/Corrosion: Positive***
<b>Skin irritation</b>	May cause skin irritation. OECD Test No. 404: Acute Dermal Irritation/Corrosion: Positive***
<b>Respiratory irritation</b>	May cause irritation of respiratory tract***
<b>Sensitization</b>	Respiratory sensitization: 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***
<b>Reproductive effects</b>	Not expected***
<b>Mutagenic effects</b>	OECD Test No. 471: Bacterial Reverse Mutation Test: Negative. OECD Test No. 473: In vitro Mammalian Chromosome Aberration Test; Negative***
<b>Systemic Toxicity</b>	OECD Test No. 408: Repeated Dose 90-Day Oral Toxicity Study in Rodents: Negative. NOAEL (No observed adverse effect level) =360*** mg/kg bw/day***
<b>Carcinogenicity</b>	Not expected***
<b>Teratogenicity</b>	Not expected***

**12. Ecological information****Ecotoxicity**

Based on data available for ingredients

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Subtilisin*** 9014-01-1	EC50: =0.513 mg TOS/L (72h,Pseudokirchneriella subcapitata). NOEC: =0.073 mg TOS/L(72h,Pseudokirchneriella subcapitata)***	LC50: =17.7 mg TOS/L(96h,Oncorhynchus mykiss). NOEC: =10.2 mg TOS/L(96h,Oncorhynchus mykiss)***	-	EC50: =1.29 mg/L TOS (48h, daphnia). NOEC: =0.066 mg/L TOS (48h, daphnia)***

**Persistence and degradability** Based on data available for ingredients.**Bioaccumulative potential** Based on data available for ingredients.

Chemical name	Biodegradation	Bioaccumulation/Accumulation
Subtilisin*** 9014-01-1	Readily biodegradable 102% 29*** days later***	No bioaccumulation potential***

Chemical name	Partition coefficient
Subtilisin*** 9014-01-1	-1.3***

**Mobility in soil** Soluble in water.\*\*\***Other adverse effects** No information available.

**13. Disposal considerations**

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Do not reuse empty containers.

**14. Transport information**

<b>DOT</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG</b>	Not regulated

**15. Regulatory information**

**International Inventories** Based on data available for ingredients

Chemical name	AICS	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS
Calcium carbonate*** 471-34-1	X***	X***	X***	X***	X***	X***	X***
Subtilisin*** 9014-01-1	X***	X***	X***	-	X***	X***	X***

**US Federal Regulations**

**TSCA** Contact supplier for inventory compliance status.

Chemical name	CAS No.	US TSCA Inventory listing	US TSCA active/inactive designation
Calcium carbonate***	471-34-1	Present***	Active***
Subtilisin***	9014-01-1	Present***	Active***

**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

Contact supplier for inventory compliance status.

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

Based on data available for ingredients

## 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

**Revision date** 04-Jan-2024

**Revision Number** 2

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

### 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**