

**Section 1: IDENTIFICATION**

**Product Name** Enviva® Pro 201 GT  
**Material no** A66082  
**Formula** Not applicable  
**Synonyms** Not applicable  
**Recommended Use** Animal feed.  
**Company/undertaking identification** Danisco Animal Nutrition  
PO Box 777  
Marlborough  
Wiltshire SN81XN  
United Kingdom  
Tel: +441672 517777.  
**E-mail Address** SDS-Genencor@Danisco.com  
**Emergency Telephone** +1 (319) 368-7657. a Distribution incident - Spill, Leak, or Accident  
CALL CHEMTREC - 800-424-9300 (within US)  
DuPont registration number 671983

**Section 2: HAZARDS IDENTIFICATION**

**Eyes** Not expected to be an eye irritant.  
**Skin** Not expected to cause irritation.  
**Inhalation** Not expected to cause irritation.  
**Ingestion** Not expected to be toxic by ingestion.

**Aggravated Medical Conditions** None known

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

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Description** No information available

Chemical Name	CAS-No	%	OSHA	ACGIH
Calcium carbonate	471-34-1	94-99	Not Listed	Not Listed
Bacillus subtilis	NA	1-5	Not Listed	Not Listed

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**Section 4: FIRST AID MEASURES**

<b>Eye Contact</b>	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.
<b>Skin Contact</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Inhalation</b>	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	Rinse mouth thoroughly with water. If swallowed Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Notes to Physician</b>	None.

**Section 5: FIRE FIGHTING MEASURES**

<b>Flammable Properties</b>	Not flammable.
<b>Suitable Extinguishing Media</b>	Extinguish with alcohol-resistant foam, fire extinguishing powder or water spray.
<b>Protective Equipment and Precautions for Firefighters</b>	Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.

**Section 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures</b>	Use personal protection recommended in Section 8. Avoid generation of dust / aerosols. Avoid breathing dust or spray mist.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Pick up and transfer to properly labeled containers.

**Section 7: HANDLING AND STORAGE**

<b>Precautions for safe handling</b>	Avoid generation of dust / aerosols. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist.  Handle in accordance with good industrial hygiene and safety practice.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep at temperatures below 25°C / 77°F. Keep container tightly closed and dry. Protect from light. Store in original container.
<b>Technical Measures/Precautions</b>	Ensure adequate ventilation

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**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines** Component information below is as complete as possible. Any fields not shown indicate no data is presently available.

**Occupational Exposure Controls**

**Engineering Measures** Transfer substance using enclosed system e.g. using drum pump. Transfer via enclosed lines. Formulate in enclosed or ventilated mixing vessels. Carefully handle the substance to minimize releases of dust. aerosols.

**Hygiene measures** 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.

**Personal protective equipment**

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin and Body Protection** Impervious gloves.  
**Respiratory Protection** Use NIOSH approved respiratory protection.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Off-white flakes	<b>Odor:</b>	Odorless.
<b>Physical State:</b>	solid	<b>pH</b>	Not determined
<b>Flash Point</b>	Not applicable	<b>Autoignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not determined	<b>Boiling point / boiling range</b>	Not determined
<b>Melting Point/Range</b>	Not determined	<b>Freezing Point</b>	Not determined
<b>Explosion Limits</b>	Not determined	<b>Flammability Limits in Air</b>	Not applicable
<b>Water solubility</b>	Soluble	<b>Specific Gravity</b>	Not determined
<b>Vapor Pressure</b>	Not determined	<b>Evaporation Rate</b>	Not determined
		<b>Vapor Density</b>	Not determined

**Section 10: STABILITY AND REACTIVITY**

**Stability** Stable under recommended storage conditions

**Incompatible Products** None known

**Conditions to avoid** Avoid dust formation.

**Hazardous Decomposition Products** None known.

**Hazardous Polymerization** Hazardous polymerization does not occur

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**Section 11: TOXICOLOGICAL INFORMATION**

Product Information

<b>Acute toxicity</b>	
Oral	No data available.
Dermal	No information available
Inhalation	No information available
<b>Irritation</b>	
Eye irritation	No information available
Skin irritation	No information available
Respiratory irritation	No data available
<b>Sensitization</b>	No information available
<b>Systemic toxicity</b>	There is no data available for this product.
Mutagenic effects	No information available
<b>Reproductive effects</b>	No information available

Component Information

<b>Calcium carbonate</b>	
Oral	LD50/oral/rat 6450 mg/kg.
Eye irritation	May cause irritation
Skin irritation	May cause skin irritation.
Respiratory irritation	Irritating to respiratory system.

**Section 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity effects</b>	Ecotoxicity unknown / Not determined.
<b>Mobility</b>	Soluble.
<b>Persistence and Degradability</b>	Enzymes are considered readily biodegradable.
<b>Bioaccumulation/Accumulation</b>	Bioaccumulation is unlikely.

Component Information

Component information below is as complete as possible. Any fields not shown indicate no data is presently available.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia	Biodegradation
Calcium carbonate	No data	LC50/96hr/Gambusia affinis: 56000 mg/L.	No data.	No data.

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**Section 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods** In accordance with local and national regulations.

**Packaging** If empty container retains product residues, all label precautions must be observed. Store away from ignition sources. Transport with all closures in place. Return for reuse or dispose according to national or local regulations.

**Section 14: TRANSPORT INFORMATION**

**Harmonized Tariff Code:** 3507.90.7000 (for enzymes).

**DEPT. OF TRANSPORTATION UN OR NA NUMBER** Not classified as dangerous in the meaning of transport regulations.

**Hazard class** Not hazardous.

**Packing group** Not applicable

**Reportable Quantity** Not applicable

**Section 15: REGULATORY INFORMATION**

**HAZARD RATING SYSTEMS:**

**HMIS (SCALE 0-4, WHERE 4=SEVERE HAZARD):** Health: 2 Flammability: 1 Reactivity: 0

**U.S. Federal Regulations**

Chemical Name	SARA 313 - Threshold Values %	CERCLA/SARA - Section 302 Extremely Haz
Calcium carbonate	Not listed.	Not listed.
Bacillus subtilis	Not listed.	Not listed.

**U.S. State Regulations**

This product does not contain any Proposition 65 chemicals.

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**Section 16: OTHER INFORMATION**

Prepared By SDS-Genencor@Danisco.com

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Revision Number 1

**Changes since last date of revision:** Revisions made to Section 2. HAZARDS IDENTIFICATION.  
Revisions made to Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION  
Revisions made to Section 11. TOXICOLOGICAL INFORMATION.  
Revisions made to Section 12: ECOLOGICAL INFORMATION.

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END OF SDS