

# SAFETY DATA SHEET



## Section 1: IDENTIFICATION

**Product Name** Porzyme® 93010/Danisco Xylanase 40000G  
**Material Number** 93YX  
**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

**Potential Health Effects** Inhalation of enzyme mist/dust may cause allergic respiratory reactions, including asthma, in susceptible individuals on repeated exposure.

**Eyes** May cause slight irritation  
**Skin** May cause slight irritation  
**Inhalation** May cause slight irritation  
**Ingestion** Not expected to be toxic by ingestion.

**Aggravated Medical Conditions** Atopy. Asthma.

**Physical and chemical hazards** Dust can form an explosive mixture with air.  
**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
Wheat flour	130498-22-5	88-94	Not Listed	Not Listed
Xylanase	9025-57-4	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 water and soap If skin irritation occurs: Get medical advice/attention
<b>Inhalation</b>	IF INHALED: Remove person to fresh air and keep 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>	May cause allergic respiratory reaction.

**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.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Contain and remove spilled product by mechanical means or with a vacuum cleaner equipped with a high efficiency filter. Avoid dust formation

**Section 7: HANDLING AND STORAGE**

<b>Precautions for safe handling</b>	Avoid generation of dust / aerosol. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from light. Keep/store only in original container.
<b>Technical Measures/Precautions</b>	Ensure adequate ventilation

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

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

**Occupational Exposure Controls**

**Engineering Measures** 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

**Personal protective equipment**

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).  
**Skin and Body Protection** Impervious gloves.  
**Respiratory Protection** Use NIOSH approved respiratory protection.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Fine granular; Light brown	<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 defined
<b>Explosion Limits</b>	Not determined	<b>Flammability Limits in Air</b>	Not applicable
<b>Evaporation Rate</b>	Not determined	<b>Water solubility</b>	Soluble
<b>Vapor Density</b>	Not determined	<b>Vapor Pressure</b>	Not determined
<b>Explosive Properties</b>	Dust can form an explosive mixture with air.	<b>Density</b>	Not determined

**Section 10: STABILITY AND REACTIVITY**

**Chemical stability** Stable under normal conditions.

**Incompatible Products** None known.

**Conditions to avoid** Avoid dust formation. Dust may form explosive mixture in air.

**Hazardous Decomposition Products** None known.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Section 11: TOXICOLOGY INFORMATION**

**Product Information**

**Acute toxicity**  
**Oral** Not expected to be toxic by ingestion.  
**Dermal** No information available

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<b>Inhalation</b>	No information available
<b>Irritation</b>	
<b>Eye irritation</b>	May cause slight irritation.
<b>Skin irritation</b>	May cause slight irritation.
<b>Respiratory irritation</b>	May cause slight irritation.
<b>Sensitization</b>	Inhalation of enzyme mist/dust may cause allergic respiratory reactions, including asthma, in susceptible individuals on repeated exposure.
<b>Systemic toxicity</b>	There is no data available for this product
<b>Mutagenic effects</b>	There is no data available for this product
<b>Reproductive effects</b>	There is no data available for this product
<b>Carcinogenicity</b>	There is no data available for this product
<b><u>Component Information</u></b>	Classification based on data available for ingredients
<b><i>Xylanase</i></b>	
<b>Inhalation</b>	LC50/inhalation/4h/rat > 5.1 mg/l.
<b>Eye irritation</b>	Not an irritant.
<b>Skin irritation</b>	Not an irritant.
<b>Sensitization</b>	Inhalation of enzyme mist/dust may cause allergic respiratory reactions, including asthma, in susceptible individuals on repeated exposure. May cause sensitization by inhalation.
<b>Systemic toxicity</b>	In a 90-day study in rats, there were no indications of toxicity or other changes attributed to treatment. A NOAEL can be established at 1140 mg/kg/d.
<b>Mutagenic effects</b>	Not mutagenic in bacterial assays in the presence and absence of metabolic activation up to 5,000 µg/plate. Negative in chromosomal aberration using human lymphocytes.
<b>Carcinogenicity</b>	Not classified as a carcinogen by IARC, OSHA, or NTP.

**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.
<b><u>Component Information</u></b>	Based on data available for ingredients

**Section 13: DISPOSAL CONSIDERATIONS**

<b>Waste Disposal Methods</b>	Dispose of wastes in an approved waste disposal facility. Dispose of contents/containers in accordance with local regulations.
<b>Packaging</b>	Dispose of empty containers and wastes safely. Dispose of waste product or used containers according to local regulations.

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**Section 14: TRANSPORTATION 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**

U.S. Federal Regulations

Chemical Name	SARA 313 - Threshold Values %	CERCLA/SARA - Section 302 Extremely Haz
Wheat flour	Not listed	Not listed
Xylanase	Not listed	Not listed

U.S. State Regulations

This product does not contain any Proposition 65 chemicals.

WHMIS: Canadian Workplace Hazardous Material Information System

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR

Not hazardous SOR/88-64

**Section 16: OTHER INFORMATION**

Prepared By SDS-Genencor@Danisco.com

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SDS sections updated Change in format, Revisions made to Section 15. REGULATORY INFORMATION.

Disclaimer

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END OF SDS