

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

Econase® XT 25 P

Revision date: 20.12.2018

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1. Identification**Product identifier**

Econase® XT 25 P

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Food/feedstuff additives

Details of the supplier of the safety data sheet

Company name:	AB Vista	
Street:	150 South Pine Island Road, Suite 270	
Place:	USA-33324 Plantation, Florida	
Contact person:	Quality/ Regulatory Department	Telephone: +1 (954) 278 3965
e-mail:	info@abvista.com	
Internet:	www.abvista.com	

Emergency phone number: 1-800-424-9300 CCN703060
+1 703-527-3887

2. Hazard(s) identification**Classification of the chemical****29 CFR Part 1910.1200**

Respiratory or skin sensitization: Resp. Sens. 1

Label elements**29 CFR Part 1910.1200****Signal word:** Danger**Pictograms:****Hazard statements**

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear respiratory protection.

If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

If experiencing respiratory symptoms: Call a poison center/doctor.

Dispose of waste according to applicable legislation.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients**Mixtures****Chemical characterization**

Contains:

Coarse Grained Wheat Flour

Xylanase, endo-1,4-

4. First-aid measures

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Description of first aid measures**General information**

In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Immediately remove any contaminated clothing, shoes or stockings. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Induce vomiting when the affected person is not unconscious. Medical treatment necessary.

Most important symptoms and effects, both acute and delayed

Causes skin and eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Water spray jet. Carbon dioxide (CO₂). Dry extinguishing powder.

Unsuitable extinguishing media

Full water jet

Specific hazards arising from the chemical

Non-flammable. Combustible solids. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Remove all sources of ignition.

Environmental precautions

Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

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7. Handling and storage**Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Provide earthing of containers, equipment, pumps and ventilation facilities.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Store in a dry place. Remove all sources of ignition.

Hints on joint storage

Do not store together with: Oxidising agent, strong.

8. Exposure controls/personal protection**Control parameters****Exposure limits**

CAS No.	Substance	ppm	mg/m ³	f/cc	Category	Origin
-	Grain dust (oat, wheat barley)	-	10		TWA (8 h)	PEL
-	Grain dust (oat, wheat, barley)	-	4		TWA (8 h)	REL
			4		TWA (8 h)	ACGIH-2018
-	Particulates not Otherwise regulated (PNOR) Total dust	1765 mp/m ³	15		TWA (8 h)	PEL

Exposure controls**Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. Avoid contact with skin, eyes and clothes.

Eye/face protection

Wear eye protection/face protection.

Hand protection

Wear suitable gloves.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

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Respiratory protection

In case of inadequate ventilation wear respiratory protection. (OSHA 1910.134)

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

Physical state:	solid (Powder)
Color:	brown
Odor:	characteristic
pH-Value:	not determined

Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not applicable

Flammability

Solid:	not determined
Gas:	not applicable

Explosive properties

Danger of dust explosion.

Lower explosion limits:	100 g/m ³
Upper explosion limits:	not determined
Ignition temperature:	not applicable

Auto-ignition temperature

Solid:	not determined
Gas:	not applicable

Decomposition temperature:	not determined
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Oxidizing properties

Not oxidising.

Vapor pressure:	not determined
Density:	not determined
Water solubility:	not determined

Solubility in other solvents

not determined

Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Vapor density:	not determined
Evaporation rate:	not determined

Other information

Odor threshold: not determined

10. Stability and reactivity**Reactivity**

No hazardous reaction when handled and stored according to provisions.

Chemical stability

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Stability: Stable

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

Hazardous reactions: May occur

Exothermic reaction with: Oxidising agent, strong.

Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible materials

Oxidising agent, strong.

Hazardous decomposition productsThermal decomposition: @0503.B00505,1 Carbon dioxide (CO₂). Nitrogen oxides (NO_x).**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

oral, dermal, inhalative, Eye contact.

Acute toxicity

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Causes skin and eye irritation.

Sensitizing effects

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

12. Ecological information**Ecotoxicity**

The product has not been tested.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

The product has not been tested.

Mobility in soil

The product has not been tested.

Other adverse effects

No information available.

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Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

13. Disposal considerations**Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

14. Transport information**US DOT 49 CFR 172.101****Proper shipping name:**

Not a hazardous material with respect to these transport regulations.

Marine transport (IMDG)**UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)**UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

No dangerous good in sense of this transport regulation.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No dangerous good in sense of this transport regulation.

15. Regulatory information**U.S. Regulations****National Inventory TSCA**

Xylanase, endo-1,4-: Yes.

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information**Hazardous Materials Information Label (HMIS)**

Health:	2
Flammability:	1
Physical Hazard:	1

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NFPA Hazard Ratings

Health:	2
Flammability:	1
Reactivity:	1
Unique Hazard:	
Revision date:	20.12.2018
Revision No:	1,0

**Abbreviations and acronyms**

DOT: USA Department of Transport
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
TSCA: Toxic Substances Control Act
OSHA: Occupational Safety and Health Administration
IARC: International Agency for Research on Cancer
SARA: Superfund Amendments and Reauthorization Act

Other data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)