

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Econase® XT 5 P**

Revision date: 20.12.2018

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**1. Identification****Product identifier**

Econase® XT 5 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****Hazardous components**

CAS No	Components	Quantity
	Enzymatic Proteins	5 %

**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. Do NOT induce vomiting. Medical treatment necessary. Never give anything by mouth to an unconscious person or a person with cramps.

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

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 (CO<sub>2</sub>). Foam Dry extinguishing powder.

##### **Unsuitable extinguishing media**

Full water jet

#### Specific hazards arising from the chemical

Non-flammable.

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 (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

#### Special protective equipment and precautions for fire-fighters

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

#### **Additional information**

Knock down dust 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.

#### 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**

Provide adequate ventilation. 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.

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

Keep container tightly closed. Store in a cool dry place.

**Hints on joint storage**

Do not store together with: Oxidising agent, strong

Reacts with : Oxidising agent, May cause fire.

**Further information on storage conditions**

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

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

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
-	Flour dust (inhalable fraction)		0.5		TWA (8 h)	ACGIH-2018
-	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 <sup>3</sup>	15		TWA (8 h)	PEL

**Additional advice on limit values**

none/none

**Exposure controls****Appropriate engineering controls**

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

**Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Avoid contact with skin, eyes and clothes. Do not breathe dust/fume/gas/mist/vapors/spray.

**Eye/face protection**

Wear eye protection/face protection.

**Hand protection**

Wear protective 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.



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#### Skin protection

Wear suitable protective clothing.

#### 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 <sup>3</sup>
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.

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**Chemical stability**

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

May cause fire.

**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 products**Thermal decomposition: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

oral, dermal, Eye contact, Inhalation

**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 (Enzymatic Proteins)

**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.

**Aspiration hazard**

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

**Practical experience****Other observations**

May cause respiratory irritation.

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

The product is not: Ecotoxic.

**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.

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**Other adverse effects**

No information available.

**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**

Enzymatic Proteins: No.

**National regulatory information**

SARA Section 311/312 Hazards:

Enzymatic Proteins (-): Immediate (acute) health hazard

**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.

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

Health: 2  
Flammability: 1  
Physical Hazard: 1

**NFPA Hazard Ratings**

Health: 2  
Flammability: 1  
Reactivity: 1  
Unique Hazard:

**Changes**

Revision date: 20.12.2018  
Revision No: 1,1

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,10,15,16.

**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.)*