

### SECTION 1 : Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : TagTeam® Active Powder

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : *Penicillium* Inoculant

#### 1.3. Details of the supplier of the safety data sheet

Novozymes BioAg  
3935 Thatcher Ave  
Saskatoon, SK Canada S7R 1A3  
Information Telephone Number : 1-888-744-5662  
Available 24 hours a day 7 days a week from April 1st to June 15th, otherwise available from 8:00am to 4:30pm CST, Monday to Friday.

#### 1.4. Emergency telephone number

Emergency number : 1-800-424-9300 (Chemtrec) 24 hours every day

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Comb. Dust May form combustible dust concentrations in air

#### 2.2. Label elements

##### GHS-US labelling

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : May form combustible dust concentrations in air

#### 2.3. Other hazards

No additional information available

### SECTION 3 : Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Components  
*Penicillium bilaiae* : 7-36%  
Sucrose (CAS 57-50-1) : 2-11%

The specific chemical identity and/or concentration range is being withheld because it is trade secret information of Novozymes BioAg.

This mixture does not contain any substances to be mentioned according to the criteria of Appendix D to Regulations 29 CFR 1910.1200.

### SECTION 4 : First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest. In all cases of doubt, or when symptoms persist, seek medical advice.  
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Obtain medical attention if pain, blinking or redness persists.  
First-aid measures after ingestion : Do not induce vomiting unless directed to do so by medical personnel. Give water to drink if victim completely conscious/alert. Get medical advice/attention if you feel unwell.

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

Symptoms/injuries	: This product contains beneficial microorganisms. Novozymes exclusively uses non-pathogenic beneficial microorganisms that are considered to be non-allergenic, non-irritating and non-sensitizing when used as directed. Exposure to very high levels of airborne microbial spores may result in very rare respiratory impairments or cause an allergic reaction in sensitized individuals. Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation	: Possible respiratory damage following repeated or prolonged inhalation.
Symptoms/injuries after eye contact	: Contact may cause eye irritation.
Symptoms/injuries after ingestion	: Small amounts swallowed incidental to industrial handling are not likely to cause injury. On ingestion in large quantities: May cause stomach pain or discomfort.

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

Treat symptomatically.

## SECTION 5 : Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: None known
Explosion hazard	: None known

### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters	: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6 : Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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#### 6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Collect all waste in suitable and labelled containers and dispose according to local legislation.
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### 6.4. Reference to other sections

No additional information available

## SECTION 7 : Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Provide adequate ventilation. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin, eyes and clothing.
Hygiene measures	: Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practices.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep away from food, drink and animal feeding stuffs. Do not freeze. Keep only in the original container in a cool, well ventilated place away from: Direct sunlight, Heat sources, Extremely high or low temperatures. Keep container closed when not in use.
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Incompatible materials	: Acids. Bases. Oxidizing agents. Reducing agents. Disinfectants, fungicides, and/or biocides may inactivate.
Storage temperature	: 4 - 12 °C (39°F-54°F)

### SECTION 8 : Exposure controls/personal protection

#### 8.1. Control parameters

Sucrose (57-50-1)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)

#### 8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment : Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection. Avoid all unnecessary exposure.



Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.

Other information : Do not eat, drink or smoke during use.

### SECTION 9 : Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Opaque liquid
Colour	: Opaque
Odour	: Slight
Odour threshold	: No data available
pH	: 6.5 - 7.4
Melting point	: Not applicable
Freezing point	: -4 °C (25°F)
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: Not applicable
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Relative vapour density at 20 °C	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available

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Viscosity, dynamic : No data available

### 9.2. Other information

No additional information available

## SECTION 10 : Stability and reactivity

### 10.1. Reactivity

Stable

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur

### 10.4. Conditions to avoid

Direct sunlight. Heat sources. Extremely high or low temperatures.

### 10.5. Incompatible materials

Acids. Bases. Reducing agents. oxidizing agents. Disinfectants, fungicides, and/or biocides may inactivate.

### 10.6. Hazardous decomposition products

None known

## SECTION 11 : Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 6.5 - 7.4
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 6.5 - 7.4
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Symptoms/injuries after inhalation	: Possible respiratory damage following repeated or prolonged inhalation.
Symptoms/injuries after eye contact	: Contact may cause eye irritation.
Symptoms/injuries after ingestion	: Small amounts swallowed incidental to industrial handling are not likely to cause injury. On ingestion in large quantities: May cause stomach pain or discomfort.

## SECTION 12 : Ecological information

### 12.1. Toxicity

No additional information available

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### 12.2. Persistence and degradability

#### TagTeam® Active Powder

Persistence and degradability	Not established
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### 12.3. Bioaccumulative potential

#### TagTeam® Active Powder

Bioaccumulative potential	Not established
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No additional information available

Other information : Avoid release to the environment.

## SECTION 13 : Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14 : Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

### TDG

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15 : Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

No additional information available

### National regulations

#### TagTeam® Active Powder

This material is considered hazardous according to the criteria of the US OSHA Hazard Communication Standard (29 CFR 1910.1200).
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### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

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### SECTION 16: Other information

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. GHS - Globally Harmonised System. HCS - Hazard Communication Standard. OSHA - Occupational Safety and Health Administration. PEL- Permissible Exposure Level. SDS - Safety Data Sheet. STEL- Short-Term Exposure Limit. TWA- Time Weighted Average.

Other information : None

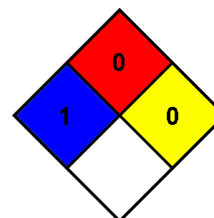
Full text of H-statements:

Comb. Dust	Combustible Dust
H232	May form combustible dust concentrations in air

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

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