



SAFETY DATA SHEET

07-08-2019

1. IDENTIFICATION

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| Product Name | Dairyman's Edge® CLASSIC |
| Recommended Use | Contains a source of live (viable), naturally occurring microorganisms. Dairyman's Edge CLASSIC is a direct fed microbial intended for use exclusively in lactating dairy cows. |
| Manufacturer | Papillon Agricultural Company |
| Address | 129 N. West Street 2 nd Floor, Easton, MD 21601 USA |
| Contact Information | Telephone: (800) 888-5688 Fax: (410) 822 0429 |
| Emergency Phone | (443) 496-1286 |

2. HAZARD(S) IDENTIFICATION

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| Classification | The product is not classified. |
| Label Elements | Signal Word- N/A Due to FDA labeling exemption Hazard Statements- None Precautionary Statements- None |
| Other Hazards | Physical and Chemical Hazards Small quantities: The hazardous properties of the product are considered to be limited. Large quantities: In high concentrations, fine particles may form explosive dust/air mixtures. Human Health Dust may irritate the eyes and the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. The product does not contain any carcinogenic substances in amounts to be declared. Zeolites NTP — OSHA — IARC 3 Calcium Carbonate NTP — OSHA — IARC — Environment: The harmful effects of the product in the environment are considered to be limited. |

3. COMPOSITION/ INFORMATION

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| Substance or Mixture | Mixture |
| Ingredients | Active dry yeast (Dried <i>Saccharomyces cerevisiae</i> fermentation product), yeast culture (<i>Saccharomyces cerevisiae</i> grown and dormantized on ground yellow corn, corn gluten meal, condensed fermented corn extractives, cane molasses, and malted barley), dried <i>Enterococcus faecium</i> fermentation product, dried <i>Bacillus licheniformis</i> fermentation product, dried <i>Bacillus subtilis</i> fermentation product, dried <i>Lactobacillus animalis</i> fermentation product, dried <i>Propionibacterium freudenreichii</i> fermentation product, dried <i>Bacillus lentus</i> fermentation extract, dried <i>Bacillus amyloliquefaciens</i> fermentation extract, dried <i>Aspergillus oryzae</i> fermentation extract, dried <i>Trichoderma longibrachiatum</i> fermentation extract, calcium carbonate, sodium aluminosilicate, and mineral oil. |
| CAS# and Ingredient Percentages | Zeolites CAS# 1318-02-1 <25% GHS Skin Irrit.2, H315; Eye Irrit.2, H319; STOT SE 3, H335 Calcium Carbonate CAS# 471-34-1 <70% GHS — |

Other ingredient percentages have been withheld as a trade secret.

4. FIRST AID MEASURES

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| First Aid Procedures | Inhalation: Dust inhalation: Move into fresh air and keep at rest. In case of persistent throat irritation or coughing: Seek medical attention and take along these instructions. Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. Eye contact: Do not rub eye. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring these instructions. Ingestion: Rinse mouth thoroughly. If uncomfortable: Get medical attention. |
| Most Important Symptoms/ Effects, Acute and Delayed Special Treatment | Dust may irritate the eyes and the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. No special measures required. |

5. FIRE-FIGHTING MEASURES

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| Extinguishing Media | Use fire-extinguishing media appropriate for surrounding materials. |
| Specific Hazards | In significant concentrations, fine dust placed in suspension with an ignition source present may flash or explode. |
| Fire-Fighter Precautions | Wear self-contained breathing apparatus as required by the situation. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions, Protective Equipment And Emergency Procedures | Avoid conditions for a combustible dust explosion. Avoid inhalation of dust and contact with eyes and skin by wearing personal protective equipment (i.e. masks, glasses/goggles) |
| Clean-up Methods | Clean up with a vacuum cleaner, broom or shovel. Do not allow dust deposits to accumulate as these can form an explosive mixture if released into the atmosphere in sufficient concentrations. Avoid dispersal of dust in the air in the presence of an ignition source. |

7. HANDLING AND STORAGE

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| Safe Handling Precautions | Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment. |
| Safe Storage Conditions | Keep bags closed and store in a cool dry area for maximum stability. Avoid contact with strong acids as these will degrade the product. |

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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| Exposure Controls | Adequate ventilation should be provided. If dust levels exceeding 15 mg/m ³ employees should wear a dust respirator. Safety glasses/goggles should also be worn in dusty conditions. Gloves are recommended for prolonged use. |
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9. PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance | Granulate |
| Color | Light tan |
| Odor | Faint odor |
| pH | No data available |
| Melting/Freezing Point | No data available |
| Boiling Point/ Range | No data available |
| Flash Point | No data available |
| Evaporation Rate | No data available |
| Flammability/ Limits | No data available |
| Vapor Pressure | No data available |
| Vapor Density | No data available |
| Relative Density | No data available |
| Solubility | Water soluble |
| Partition Coefficient | No data available |
| Auto-ignition Temp | No data available |
| Decomposition Temp | No data available |
| Viscosity | No data available |

10. STABILITY AND REACTIVITY

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| Reactivity | None Known |
| Chemical Stability | Stable under normal conditions |
| Possibility Of | None Known |
| Hazardous Reactions | |
| Conditions To Avoid | None Known |
| Incompatible Materials | Strong acids will degrade the product. |
| Hazardous | None Known. |
| Decomposition | |
| Products | |

11. TOXICOLOGICAL INFORMATION

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| Information on toxicological effects | <p>Inhalation: Dust may irritate respiratory system. Inhalation of high concentrations of dust or aerosols may cause toxic alveolitis. Symptoms like fever, cold shivering, coughing, difficulties in breathing, headache, muscle and joint pains etc. may appear 6 to 8 hours after exposure. The symptoms normally disappear completely over night without any treatment.</p> <p>May contain very small amounts of a sensitizing substance which may cause sensitization by inhalation in sensitive individuals.</p> <p>Skin contact: Dust has an irritating effect on moist skin.</p> <p>Eye contact: Dust in the eyes will cause irritation.</p> <p>Ingestion: May irritate and cause malaise.</p> <p>Specific effects: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.</p> <p>The product does not contain any carcinogenic substances in amounts to be declared.</p> <p>Zeolites NTP — OSHA — IARC 3</p> |
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12. ECOLOGICAL INFORMATION

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| Ecotoxicity | No data available |
| Persistence and Degradability | No data available |
| Bioaccumulative Potential | No data available |
| Mobility in soil | No data available |
| Other adverse effects | No data available |

13. WASTE DISPOSAL CONSIDERATIONS

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| Procedures | Dispose of in accordance with Local, State, and Federal environmental regulations. |
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14. TRANSPORT INFORMATION

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| UN Number | Not Applicable |
| UN Proper Shipping Name | Not Applicable |
| Transportation Hazard Class | Not Applicable |
| Packing Group | Not Applicable |
| Environmental Hazards | Not Applicable |
| Transport in Bulk (ANNEX II of MARPOL 73/78 & IBC CODE) | Not Applicable |
| Special Precautions | Not Applicable |

15. REGULATORY INFORMATION

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| Regulations | Safety, health and environmental regulations/ legislation specific for the substance of mixture NFPA — Health 1 Fire 3 Reactivity — Other — GHS regulation Globally Harmonized System of Classification and Labeling of Chemicals (GHS) |
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16. OTHER INFORMATION

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| Preparation Date | 07-08-2019 |
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Reasonable care has been taken in preparation of this Safety Data Sheet. However, the data provided herein is without warranty, express or implied, regarding its correctness or accuracy. Individual users should determine the suitability of the information for their particular purpose and assume responsibility for loss, injury, damage, or expense resulting from improper use of this product.