

Issue Date 09/14/2016

Revision Date 09/13/2018

Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Vita-Zyme Bac-Paks

Other means of identification

Product Code 1502

Recommended use of the chemical and restrictions on use

Recommended use For use in industrial and commercial waste treatment applications.

Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Company Name Blue Cardinal Chemical, LLC
3670 Scarlet Oak Blvd.
St. Louis, MO 63122
800-325-3312

Emergency telephone number

Emergency Telephone CHEMTEL 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

Combustible Dust

Label elements

Emergency Overview

WARNING

Hazard statements

May form combustible dust concentration in air.



Appearance: Ivory or Beige powder

Physical state: Solid



Precautionary Statements

None

Hazards not otherwise classified (HNOC)

Other Information

• Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	Classification (GHS-US)	TRADE SECRET
Sodium chloride (salt)	7647-14-5	> 57	Not classified	*
Rice hulls	none	45	Combustible dust	*
Bacillus bacteria culture	none	< 2	Not classified	*
Anticaking agents	various	< 1-0	Not classified	*

***The exact percentage (concentration) of composition has been withheld as a trade secret.**

4. FIRST AID MEASURES**First aid measures**

Skin Contact	Wash off with soap and plenty of water.
Eye Contact	Flush eyes with water as a precaution.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effect, both acute and delayed

Symptoms The most important known symptoms and effects are described in section 11

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the chemical

Carbon oxides.

Advice for Firefighters

Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal precautions Avoid dust formation. Avoid breathing dust.

Environmental precautions

Environmental precautions None expected to be necessary if material is used under ordinary conditions and as recommended.

Methods and material for containment and cleaning up

Methods for containment & cleaning up Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Store in a dry, cool and well-ventilated place. Keep container closed when not in use.
Incompatible Materials	Strong acids. Strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Particulates Not Otherwise Regulated (Total Dust) for General Industry - OSHA (PEL) 15 mg/m3 (50 mppcf*) TWA

Appropriate engineering controls

Engineering Controls	Adequate ventilation systems as needed to control concentrations of airborne contaminants below the applicable threshold limits.
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Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses.
Skin and body protection	Wear appropriate gloves to mitigate dust on skin. Wear suitable protective clothing to keep dust off skin.
Respiratory protection	Where protection from nuisance levels of dusts are desired, use type N95 (US) dust masks.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Solid
Appearance	Ivory or Beige powder
Color	Ivory or Beige
Odor	No data available
Odor Threshold	No data available

<u>Property</u>	<u>Values</u>
pH	No data available
Specific Gravity	No data available
Viscosity	No data available
Melting Point/Freezing Point	No data available
Flash Point	No data available
Boiling Point / Boiling Range	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Flammability Limits In Air	
Upper Flammability Limit:	No data available
Lower Flammability Limit:	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Water Solubility	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available

10. STABILITY AND REACTIVITY**Reactivity**

Hazardous reactions will not occur under normal conditions.

Chemical Stability

Stable.

Possibility Of Hazardous Reactions

No data available.

Conditions To Avoid

No data available.

Incompatible Materials

Strong acids. Strong oxidizers.

Hazardous Decomposition Products

No data available.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Skin Contact	May cause mild irritation.
Eye Contact	May cause mechanical irritation.
Inhalation	Inhalation of dust may cause mild irritation to mucous membranes, nose, and throat. Symptoms may include coughing, dryness and sore throat.
Ingestion	Is likely to cause the following symptoms- diarrhea.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Germ Cell Mutagenicity	Classification criteria not met.
Carcinogenicity	Classification criteria not met.
Reproductive Toxicity	Classification criteria not met.
STOT - Single Exposure	Classification criteria not met.
STOT - Repeated Exposure	Classification criteria not met.
Skin Corrosion/Irritation	Classification criteria not met.
Serious Eye Damage/Irritation	Classification criteria not met.
Target Organ Effects	Classification criteria not met.
Aspiration Hazard	Classification criteria not met.

Numerical measures of toxicity - Product Information

Acute Toxicity	Not classified.
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12. ECOLOGICAL INFORMATION**Toxicity**

Material data lacking.

Soil Mobility

Material data lacking.

Persistence and Degradability

Material data lacking.

Bioaccumulation

Material data lacking.

Other Adverse Effects

No studies have been found.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

Dispose of waste in trash bin.

Packaging waste

Plastic container is safe for disposal in trash or recycling. Check the local recycling rules to see if the material is accepted into the recycle program.

14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

DOT *Not regulated for transport***IMDG** *Not regulated for transport.***IATA** *Not regulated for transport.***15. REGULATORY INFORMATION****US Federal Regulations**

NONE

US State Regulations

NONE

16. OTHER INFORMATION**Issue Date** 09/14/2016**Revision Date** 09/13/2018**Revision Note****N/A = Not Applicable; N/D = Not Determined****Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet