

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY DESCRIPTION

#### *NPC Beef Culture*

**Austasia Animal Products Pty Ltd**  
**29 Wongajong Road**  
**Forbes, NSW 2871**



<b>Contact Points:</b>	Austasia Animal Products Pty Ltd (02) 6851-1747 (Business Hours).
	Police and Fire Brigade: 000
	If ineffective: 1100 (exchange)
	National Poisons Information Centre: 131126 (from anywhere in Australia)

**Chemical Name or Synonym:**  
Freeze-Dried Bacterial Cultures

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Reg. Number	OSHA Hazard	Percentage
Freeze-Dried Bacterial Cultures	*****	N	

### 3. HAZARDS IDENTIFICATION

#### A. EMERGENCY OVERVIEW:

**Physical Appearance and Odor:**  
Off-white to tan powder solid, faint odor

**Warning Statements:**  
Dusts in high concentrations may cause skin, eye and respiratory tract irritation.

#### B. POTENTIAL HEALTH EFFECTS:

**Acute Eye:**  
Dust may cause irritation.

**Acute Skin:**

Skin absorption not likely. May cause slight transient irritation. Dust exposure may cause skin sensitization

**Acute Inhalation:**

Dust may cause respiratory tract irritation. Dust exposure may cause respiratory sensitization.

**Acute Ingestion:**

Low acute oral toxicity. Ingestion of large quantities may cause swelling in the throat.

**Chronic Effects:**

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

## 4. FIRST AID MEASURES

**FIRST AID MEASURES FOR ACCIDENTAL:****Eye Exposure:**

Rinse particulate matter from eye. Seek medical attention if irritation develops or persists or if visual changes occur.

**Skin Exposure:**

In case of contact, wash with plenty of soap and water. Seek medical attention if irritation develops or persists.

**Inhalation:**

If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

**Ingestion:**

No harmful effects expected. If applicable quantities are swallowed, call a physician or poison control center. Do not leave victim un-attended.

**MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:**

Not specific information found.

**NOTES TO PHYSICIAN:**

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote available.

## 5. FIRE FIGHTING MEASURES

**FIRE HAZARD DATA:****Flash Point:**

> 93°C (200°F). Flammability Class: Will Burn

**Method Used:**

Closed cup

**Extinguishing Media:**

Use extinguishing method suitable for surrounding fire.

**Special Fire Fighting Procedures:**

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

**Unusual Fire and Explosion Hazards:**

Product will burn under fire conditions. Like all organic and mostly dry chemicals, as a powder or dust, this product (when mixed with air in critical proportions and in the presence of an ignition source) may present an explosion hazard.

**Hazardous Decomposition Materials (Under Fire Conditions):**

oxides of carbon.

## 6. ACCIDENTAL RELEASE MEASURES

**Evacuation Procedures and Safety:**

Ventilate closed spaces before entering. Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Containment of Spill:**

Follow procedure described below under Cleanup and Disposal of Spill.

**Cleanup and Disposal of Spill:**

Clean up residual material by washing area with water. Flush or wash to drain and/or sewer.

**Environmental and Regulatory Reporting:**

No reporting requirements are known. See Section 13 for waste disposal considerations. Flush or wash to drain and/or sewer.

## 7. HANDLING AND STORAGE

**Minimum/Maximum Storage Temperatures:**

< 4°C (39°F) °

**Handling:**

Avoid direct or prolonged contact with skin and eyes. Avoid breathing dusts. Do not ingest.

**Storage:**

Store in tightly closed containers. Store in an area that is sanitary, dry, refrigerated. Expected shelf life if stored at recommended temperatures: 6 months.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Introductory Remarks:**

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

**Exposure Guidelines:**

No exposure limits were found for this product or any of its ingredients.

**Engineering Controls:**

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures.

**Respiratory Protection:**

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

For reasonably foreseeable industrial and uses of this material, respiratory protection should not be necessary.

**Eye/Face Protection:**

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

**Skin Protection:**

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

**Work Practice Controls:**

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

**Physical Appearance:**

off-white to tan powder solid.

**Odor:**

faint odor.

**pH:**

Not applicable

**Specific Gravity:**

Not Available

**Water Solubility:**

slightly soluble

**Melting Point Range:**

Not Available

**Boiling Point Range:**

100 to 0°C (212 to 32°F at 760 mmHg)

**Vapor Pressure:**

Not Available

**Vapor Density:**

Not Available

## 10. STABILITY AND REACTIVITY

**Chemical Stability:**

This material is stable under normal handling and storage conditions described in Section 7.

**Conditions To Be Avoided:**

elevated temperature

**Materials/Chemicals To Be Avoided:**

none known

**The Following Hazardous Decomposition Products Might Be Expected:****Decomposition Type: thermal**

none known

**Hazardous Polymerization Will Not Occur.****Avoid The Following To Inhibit Hazardous Polymerization:**

not applicable

## 11. TOXICOLOGICAL INFORMATION

**Acute Eye Irritation:**

No test data found for product.

**Acute Skin Irritation:**

No test data found for product.

**Acute Dermal Toxicity:**

No test data found for product.

**Acute Respiratory Irritation:**

No test data found for product.

**Acute Inhalation Toxicity:**

No test data found for product.

**Acute Oral Toxicity:**

No test data found for product.

**Chronic Toxicity**

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

No additional test data found for product.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological Information:**

No data found for product.

**Chemical Fate Information:**

No data found for product.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:**

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

**Container Handling and Disposal:**

DO NOT REUSE CONTAINERS. Rinse containers before disposal.

**EPA Hazardous Waste - NO**

## 14. TRANSPORTATION INFORMATION

**Transportation Status: IMPORTANT! Statements below provide additional data on listed DOT classification.**

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

**US Department of Transportation**

Shipping Name:

NOT REGULATED

## 15. REGULATORY INFORMATION

**Inventory Status**

Inventory	Status
UNITED STATES (TSCA)	E
CANADA (DSL)	E
EUROPE (EINECS/ELINCS)	E
AUSTRALIA (AICS)	E
JAPAN (MITI)	E
SOUTH KOREA (KECL)	E

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

## **FEDERAL REGULATIONS**

### **Inventory Issues:**

This product is excluded from TSCA because it is solely for FDA regulated use.

### **SARA Title III Hazard Classes:**

Fire Hazard	- NO
Reactive Hazard	- NO
Release of Pressure	- NO
Acute Health Hazard	- NO
Chronic Health Hazard	- NO

## **OTHER FEDERAL REGULATIONS:**

### **FDA Status:**

This product meets the compositional requirements of:

21 CFR 182.1 SUBSTANCES THAT ARE GENERALLY RECOGNIZED AS SAFE.

## **16. OTHER INFORMATION**

### **National Fire Protection Association Hazard Ratings--NFPA(R):**

- 1** Health Hazard Rating--Slight
- 1** Flammability Rating--Slight
- 0** Instability Rating--Minimal

### **National Paint & Coating Hazardous Materials Identification System--HMIS(R):**

- 1** Health Hazard Rating--Slight
- 1** Flammability Rating--Slight
- 0** Reactivity Rating--Minimal

### **Reason for Revisions:**

Change and/or addition made to Warning Statements in Section 3, Section 3, Section 15.

### **Key Legend Information:**

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

TLV - Threshold Limit Value

PEL - Permissible Exposure Limit

TWA - Time Weighted Average

STEL - Short Term Exposure Limit

NTP - National Toxicology Program

IARC - International Agency for Research on Cancer

ND - Not determined

### **Disclaimer:**

The information herein is given in good faith but no warranty, expressed or implied, is made.