

MATERIAL SAFETY DATA SHEET

Complies with OSHA Communication Standard (29CFR 1910.1200)

Product Name: Cooper Farms - APEC APP Concentrate (10 kg)

SECTION I - GENERAL INFORMATION

Manufacturer's Name: Agro BioSciences, Inc. Telephone Number for Information:
10437 Innovation Drive (414) 257-9720
Wauwatosa, WI 53226

Trade Name and Synonyms: APEC APP (25 kg)

Chemical Name: Inert Carriers- Maltodextrin, sodium silico aluminate

Formula: Active Ingredients- *Bacillus subtilis* and *Bacillus licheniformis*, - Naturally occurring bacteria (recognized as safe)

SECTION II - HAZARDOUS INGREDIENTS

Substance	Approx. %	OSHA PEL	ACGIHTLV	Carcinogenicity	CAS No.
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CONTAINS NO HAZARDOUS COMPONENTS AS LISTED IN 29 CFR 1900.1000 OR OTHER PERTINENT SECTIONS OF OSHA REGULATIONS. PRODUCT IS GRAS FOR HUMAN CONSUMPTION 21CFR 184.1444

SECTION III - PHYSICAL DATA

Boiling Point: NA	Specific gravity: NA
Vapor Pressure (mm Hg): NA	% Volatile (volume %): NA
Vapor Density (air=1): NA	Evaporation Rate (water=1): NA
Solubility in water: Soluble	pH: NA
Appearance and Odor: Off white / light brown- no odor	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (F°): Non-flammable (test method): Closed cup	Flammable limits in air (volume %): Upper: NA Lower: NA
Extinguishing Media	
Special Fire Fighting Procedure: None	
Unusual Fire and Explosion Hazard: None	

SECTION V - REACTIVITY DATA

Stability: Stable	Conditions to Avoid: None
Incompatibility: Chemical sanitizers	
Hazardous Decomposition: None	
Hazardous Polymerization: Will not occur	

SECTION VI - HEALTH HAZARD DATA

Threshold Limit Value: Not Established
Primary Route of Exposure: Inhalation - as dust. Skin - no hazard. Ingestion - no hazard
Effects of Overexposure: none
Emergency and First Aid Procedures: Rinse mouth, skin, flush eyes with water

SECTION VII - SPILL OR LEAK PROTECTION

Steps to be taken if material is released or spilled: Ventilate area to prevent dust, sweep up material and place in a closed container.

Waste Disposal Methods: Consult local environmental authorities.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Protective dust mask to avoid breathing dust

Ventilation: Local Exhaust: As needed for dust control

Protective Gloves: Not Required

Protective Equipment: Not Required

HMIS HAZARD RATING	Flammability	Health	Reactivity
0-none 1-slight 2-Moderate 3-high 4-Extreme	0	1	1

SECTION IX - SPECIAL PROTECTION

Precautions to be taken in handling and storage: Store in cool dry area. Keep container closed when not in use.

SECTION X - REGULATORY INFORMATION

DOT Proper Shipping Name: None

DOT Class: None

DOT ID Number: None

SARA/TITLE III - List of extremely hazardous substances for emergency planning and notification (40 CFR 300 & 305): This product does not contain any ingredients listed as an extremely hazardous substance (EHS) for emergency planning under section 301-303 and for Emergency Release Notification under section 304.

SARA/TITLE III - List of toxic chemicals subject to release reporting (community right to know) (40 CFR 372): This product does not contain any ingredients listed as a toxic chemical for Annual Release Reporting Requirements under section 313.

The information contained herein is based on data considered accurate, however, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof, Agro BioSciences, Inc. assumes no responsibility for the personal injury or property damage to the vendee, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

Cooper Farms-APEC APP Concentrate 10 kg

Contains a source of live (viable)
naturally occurring microorganisms

Guaranteed analysis:

Total bacteria count: 3.0×10^{10} cfu / g
(*B. subtilis*, *B. licheniformis*)

Ingredients:

Dried *Bacillus subtilis* fermentation product,
dried *Bacillus licheniformis* fermentation
product, maltodextrin, sodium silico aluminate.

Application:

One bag (10.0 kg) treats 2,200 tons of final
poultry feed.
Add 4.545 grams per ton of final poultry feed.

Shelf life:

Use within 12 months of manufacturing date.

Net Weight: 10.0 kg (22.0 lb)

Lot Number:

Manufactured By:
Agro BioSciences, Inc.
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Product Specification Sheet

Cooper Farms - APEC APP Concentrate (10 kg)

Description:

Cooper Farms - APEC APP Concentrate (10 kg) contains scientifically selected strains of *Bacillus subtilis* and *Bacillus licheniformis* for use in poultry production.

Recommended Use: Poultry feed

Ingredients:

Label Guarantee: ***Bacillus subtilis* and *Bacillus licheniformis***
3.0 x 10¹⁰ cfu / gram

Active- Dried *B. subtilis* fermentation product and dried
B. licheniformis fermentation product.

Inert Carriers - Maltodextrin, sodium silico aluminate

**TOXICITY: NONE- *B. SUBTILIS* AND *B. LICHENIFORMIS* ARE
GENERALLY RECOGNIZED AS SAFE (GRAS).**

Application Rates: 10.0 kgs (22 lbs) of Cooper Farms - APEC APP Concentrate treats 2,200 tons of final poultry feed.

VTM addition: 4.545 grams of Cooper Farms – APEC APP Concentrate per 1 ton (2,000 lbs) of poultry feed.

Pre Blend Add 10.0 kgs (22 lbs) of Cooper Farms - APEC APP Concentrate to 1,000 kgs (2,200 lbs) of carrier total. Feed this mixture at 1.0 lbs per 1 ton (2,000 lbs) of poultry feed.

Storage: Store product in a cool, dry place.

Shelf Life: Use product within 12 months of manufacturing.

Packing: 10.0 kg bag / box