

# FLAVEX

## FOOD INGREDIENTS

### Specification Sheet **Flavex 95™**

Flavex 95™ Hydrolyzed Gelatin (for flavor) is a novel class multi-functional protein approved by the FDA and USDA/FSIS for flavor related purposes in standard identity food systems. Its excellent water binding properties makes it suitable for use in a variety of fresh and processed meat, poultry and seafood products, and allows manufacturers to increase yield, improve quality, reduce fat, and enjoy cost savings.

#### BENEFITS / PRODUCT ATTRIBUTES

- ◆ Outstanding Water Binding Capacity 40:1
- ◆ Excellent Emulsifying, and Binding Capability
- ◆ Mimics Fat
- ◆ Patented Liquid Cold Gel Encapsulation Improves Meat Texture and Mouthfeel While Protecting Delicate Flavors and Colors
- ◆ Reduces Moisture Loss, Storage Purge and Fat Oxidation
- ◆ Extends Shelf Life
- ◆ Enhances Flavor Profile
- ◆ Clean Labeling – 100% Natural
- ◆ Flavoring Category in Foods

#### APPLICATIONS

- ◆ Fresh and Frozen Meat, Poultry and Seafood products
- ◆ Emulsified/Injected/Ground/Irradiated Meat (including ground meat, sausage, franks, luncheon meat)
- ◆ Restructured Meat, Poultry and Seafood Products
- ◆ Reduced Fat and Fat-Free Meats
- ◆ Ham (reformed and whole muscle) and Bacon Products
- ◆ Marinades/Sauces
- ◆ Ingredient/Spice Mixes or Blends

#### INGREDIENT STATEMENT

Hydrolyzed Gelatin (For Flavor)

#### PHYSICAL ATTRIBUTES

Color Light Cream  
Taste Neutral  
Form Powder

Rev. 6/19/09

#### TYPICAL COMPOSITION

Protein 91% +/- 3%  
Fat 12% +/- 2%  
Dry Matter 97% +/- 2%

Total Plate Count < 10,000 CFU/ gram  
Salmonella Absent/25 grams

#### SUGGESTED USE LEVEL

1% - 2%

#### PACKAGING

Packed in 3-ply paper bags with inner plastic layer.  
44 lb. Bags (20 kg.)

#### STORAGE/SHELF LIFE

In unopened bags product will have a shelf life of at least 18 months from date of production when stored at ambient temperature in a dry location out of sunlight.

#### ORDERING INFORMATION

FOB Edison, NJ, USA

Packed 20/44 lb. Bags per pallet – Total 880 lbs.  
Orders less than 880 lbs. subject to a repalletization fee.

Contact one of our account managers at 908-709-4045 or by email at [info@arnhemgroup.com](mailto:info@arnhemgroup.com) for additional information or to place an order. Additional information can also be found at our website [www.arnhemgroup.com](http://www.arnhemgroup.com).



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## NUTRITIONAL DATA- FLAVEX 95

NUTRITIONAL ( per 100 grams)

Total Calories: 471

Total Fat Profile (g): 9

Monounsaturated (g): 6

Polyunsaturated (g): 6

Trans-Fatty Acid (g): 6

Cholesterol (mg): 0.201 mg

Sodium (mg): 535 mg

Total Carbohydrates (g): 0

Dietary Fiber (g): 0

Total Sugars (g): 0

Protein (g): 96%

Vitamin C (mg): 6.77 mg

Calcium (mg): 1256 mg

Iron (mg): 0.32 mg

Moisture (g): 2.50 %

Ash (g): <1.00 %

Salt (as NaCl) (g): max 1.0 %

===== **MATERIAL SAFETY DATA SHEET** =====  
**FOR**  
**“FLAVEX 95” HYDROLYZED GELATIN**

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EMERGENCY PHONE NUMBER:  
(800) 851-1052

**SECTION 1 - PRODUCT IDENTIFICATION**

|  |   |
|--|---|
| PRODUCT NAME:                          | FLAVEX 95   |
| CHEMICAL NAME:                         | HYDROLYZED GELATIN                                    |
| COMPOSITION/INFORMATION ON INGREDIENTS | Hydrolyzed Gelatin or Hydrolyzed Gelatin (for flavor) |
| MOLECULAR WEIGHT:                      | NA  |
| DOT HAZARD CLASSIFICATION:             | None - Food Grade Product                             |
| DOT SHIPPING NAME:                     | Protein Powder  |
| CAS NAME:                              | Mixture   |
| CAS NUMBER:                            | Mixture   |

**SECTION 11 - HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Creamy/white, granules with no odor.  
Continuous contact may cause skin and eye irritation.

POTENTIAL HEALTH EFFECTS: Product is mildly irritating to the eyes. Skin irritation from continuous contact has been reported during manufacturing when protective measures for contact or personal hygiene procedures are not followed. Human industrial experience has shown no significant inhalation hazard or skin irritation when exposures are properly controlled.

## **SECTION 111 - FIRST AID MEASURES**

EYES: Flush with water for at least 15 minutes if irritation occurs and persists, obtain medical attention.

SKIN: Wash with plenty of soap and water. Get medical attention if irritation occurs and persist.

INGESTION: Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. If any discomfort persist, obtain medical attention.

INHALATION: Remove to fresh air. If breathing difficulty or discomfort occurs and persist, obtain medical attention.

NOTES TO MEDICAL DOCTOR: This product may cause mild eye irritation and is non-irritating to skin. Treatment is controlled removal of exposure with symptomatic and supportive care.

## **SECTION 1V - FIRE FIGHTING MEASURES**

|                                 |                 |
|---------------------------------|-----------------|
| FLAMMABLE LIMITS                | Not applicable  |
| EXTINGUISHING MEDIA             | Non-combustible |
| HAZARDOUS COMBUSTION PRODUCTS   | None            |
| EXPLOSION HAZARDS               | None            |
| FIRE FIGHTING PROCEDURES        | Not applicable  |
| AUTOIGNITION TEMPERATURE        | Not applicable  |
| FLASH POINT                     | Non-combustible |
| SENSITIVITY TO STATIC DISCHARGE | None            |
| SENSITIVITY TO IMPACT           | None            |

## **SECTION V - ACCIDENTAL RELEASE MEASURES**

RELEASE NOTES: Material should be swept up for salvage or disposal.

## **SECTION V1 - HANDLING AND STORAGE**

**HANDLING:** Animal studies and manufacturing experience indicate that exposure to the product may result in eye and skin irritation under normal conditions of use. In the vent of contact, immediately flush eyes with water, wash skin with soap and water.

**STORAGE:** The product should be stored in a clean dry area to maintain product quality and to prevent possible contamination by other chemical food ingredients.

## **SECTION V11 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Prevention of eye and skin contact may be required under normal use conditions. However, severe agitation or dispersion into the work environment may require enclosure of the process and local exhaust ventilation at the source to prevent release into the air. If work environment controls are not implemented, then personal protection for inhalation, skin and eye may be required.

### **PERSONAL PROTECTIVE EQUIPMENT:**

|                     |   |
|---------------------|---|
| EYES AND FACE       | Wear chemical goggles when airborne dust is expected  |
| RESPIRATORY         | Use approved respiratory protection if release of the product into the work area is expected.                       |
| PROTECTIVE CLOTHING | Use impervious gloves when continuous contact is expected. Use long sleeved work shirt to reduce exposed skin area. |

## **SECTION V111 - STABILITY AND REACTIVITY**

|                                  |                |
|----------------------------------|----------------|
| CONDITIONS TO AVOID              | None           |
| STABILITY                        | Stable         |
| POLYMERIZATION                   | Will not occur |
| HAZARDOUS DECOMPOSITION PRODUCTS | None           |
| INCOMPATIBLE MATERIALS           | None           |

## **SECTION IX - TOXICOLOGICAL INFORMATION**

|                  |  |
|------------------|--|
| EYE EFFECTS      | Mildly irritating  |
| SKIN EFFECTS     | Non-irritating   |
| DERMAL LD:1      | ACCUTE EFFECTS FROM OVEREXPOSURE: Product is mildly irritating to the eyes and non-irritating to the skin.<br><br>CHRONIC EFFECTS FROM OVEREXPOSURE: Chronic exposure to very high levels of this product produces kidney damage and impaired bone development in laboratory animals. However, products component ingredients are listed by the United States Food and Drug Administration as Generally As Safe (GRAS) food additives. |
| CARCINOGENICITY: |  |
| IARC             | Not Listed   |
| NTP              | Not Listed   |
| OSHA             | Not Listed   |
| OTHER: ACGIH     | Not Listed   |

## **SECTION X - DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD: This product does not present a danger or hazard for disposal. Except for food applications, salvage and return to container. Process or recycle for other uses. May be disposed of in landfills according to local, state or federal regulations.

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