 <b>INTERNATIONAL INGREDIENT CORPORATION</b>	150 Larkin Williams Industrial Ct • P.O. Box 26377 St. Louis, Missouri 63026 • 636-343-4111	
	Safety Data Sheet	
	Product Group-Granular Whey	
	Issue 1	05-11-2016

## Safety Data Sheet

### Section 1: Identification

Feed Ingredient Product Group: Granular Whey

Included Product Names: Granular Whey, LL Whey Blend

Intended Use: Feed and Other

Manufacturer: Various International Ingredient Corporation Locations

Emergency Health and Safety Number: (636) 343-4111

SDS Information: WWW.IICAG.COM

### Section 2: Hazard(s) Identification

Classification: Organic Dust

Label Elements: N/A due to FDA Labeling Exemption

Hazard Statement(s): Class 2B eye irritant. May cause breathing difficulties if inhaled. May create a flash fire or explosion hazard if dust of certain particle size is suspended in air at sufficient concentration in a confined space and exposed to an ignition source.

Precautionary statement: May be mechanical eye irritant. Rinse eyes with water for several minutes. Avoid breathing dust. Excessive inhalation may affect nose, throat, and lungs. Ingredient dust may burn if suspended in air and may create a flash fire/explosion hazard. Avoid ignition sources.

Emergency Overview: May be mechanical irritant to eyes. Excessive inhalation of ingredient dust may affect nose, throat and lungs. May form combustible dust concentration in air (see "Explosion Hazard" below).

Explosion Hazard: Ingredient is generally considered not hazardous, but dust generated through downstream activities that may reduce its particle size (E.G., shipping, handling, transferring to bins, etc.) may create a hazardous condition. If exposed to an ignition source, ingredient dust may burn. Airborne dust in sufficient concentrations when exposed to an ignition source may flash.

### Section 3: Composition/Information on Ingredients

Component, CASRN, Concentration: Dust from prepared feed ingredient-100%.

### Section 4: First-Aid Measures

Inhalation: Remove person from exposure. Seek medical attention for any breathing difficulty.

Ingestion: If swallowed, give several glasses of water to dilute. Never give anything by mouth to an unconscious person.

Skin Contact: Wash affected skin with soap and water.

Eye Contact: Flush eyes with water. Seek medical attention as needed.

### Section 5: Fire Fighting Measures


Hazardous combustion products: Oxides of carbon.

Special firefighting procedures: Extinguish with water fog, dry chemical powders or foam. Do not use strong streams of water or dry chemical if dust can be dispersed into the air. Dust placed in suspension with an ignition source may flash.

Unusual fire and explosion hazards: Explosion hazard may exist for combustible dusts of certain particle size and moisture content when suspended in air at certain concentrations and subjected to an ignition source.

### Section 6: Accidental Release Measures

Clean up with soft bristle broom(s) or vacuum approved for a class II hazardous location. Dust deposits should be maintained to a minimum on surfaces, as these could form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (I.E., cleaning dust surfaces with compressed air in the presence of an ignition source should not be allowed). Non-sparking tools should be used.

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## Section 7: Handling and Storage

Avoid dispensing dust in air and exposure to potential ignition sources. Remove ingredient dust from area/processing equipment prior to using any heat producing equipment, such as arc welders, cutting torches, and spark/heat producing tools such as portable surface grinders. According to 29 CFR 1910.272(F), a hot work permit is required.

## Section 8: Exposure Controls/Personal Protection

Respiratory protection: May cause irritation of the nasal membranes or the upper respiratory tract if dust exceeds the nuisance level. Wear an approved NIOSH dust respirator whenever dust concentrations in the work area are above ACGIH TLV/OSHA PELs. Nuisance Dust-PNOR.

Total Dust: 15 MG/Cu M Respirable Fraction: 5 MG/Cu M

Ventilation: Local exhaust if needed.

Mechanical (general): If needed. Insure that dust handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work areas. Use only appropriately classified electrical equipment and powered industrial trucks.

Protective gloves: N/A

Eye protection: Safety glasses/goggles suggested in dusty conditions.

Work/Hygienic Practices: Good personal hygiene practices should be followed. Wash hands and face before eating, drinking, etc.

General: Avoid dust accumulation and control ignition sources. Where appropriate, employ grounding, venting, and explosion relief provisions in accordance with accepted engineering practices in processes capable of generating dust and/or static electricity. Avoid accumulation of dust on surfaces to prevent secondary dust explosions. Refer to appropriate OSHA, NFPA, and applicable standards.

## Section 9: Physical and Chemical Properties

Flash point (method): N/A

Flammable limits: LEL: Variable, UEL: Unknown

Auto ignition temperature: Unknown

Appearance: Creamy colored granular with slight sweet smell.

Solids contents: +95%

## Section 10: Stability and Reactivity

Stability: Unstable: Stable: X, Condition to avoid: N/A

Incompatibility (materials to avoid): None known

Hazardous decomposition or byproducts: None known

Hazardous Polymerization: May occur: Will not occur: X, Conditions to avoid: N/A

## Section 11: Toxicological Information

Routes of entry: Inhalation: X, Skin: X, Eyes: X, Ingestion: Unlikely


Carcinogenicity: NTP: No, Arc Monographs: No, OSHA regulated: No

Acute: May be mechanical irritant to skin and eyes. Excessive inhalation of ingredient dust may affect nose, throat and lungs.

Chronic: Repeated and prolonged inhalation of ingredient dust may affect the respiratory system. Smokers have an increased risk of respiratory effects.

Signs and symptoms of exposure: Irritation to the skin, eyes, nose and throat may occur. Some people may occasionally experience coughing.

Medical conditions generally aggravated by exposure: Allergies and respiratory ailments.

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**Section 12: Ecological Information: (Non-Mandatory)**

**Section 13: Disposal Considerations: (Non-Mandatory)**

**Section 14: Transport Information: (Non-Mandatory)**

**Section 15: Regulatory Information: (Non-Mandatory)**

Section (B)(5)(III) of the HCS (CFR 1910.1200) exempts food, including feed and therefore any associated feed ingredient dust, from the labeling requirements of the HCS since the food/feed ingredient is subject to the labeling requirements of the FDA.

**Section 16: Other information**

General: All electrical equipment must be suitable for use in hazardous atmospheres involving combustible dust in accordance with 29 CFR 1910.307. The National Electric Code, NFPA 70, contains guidelines for determining the type and design of equipment and installation, which will meet this requirement.