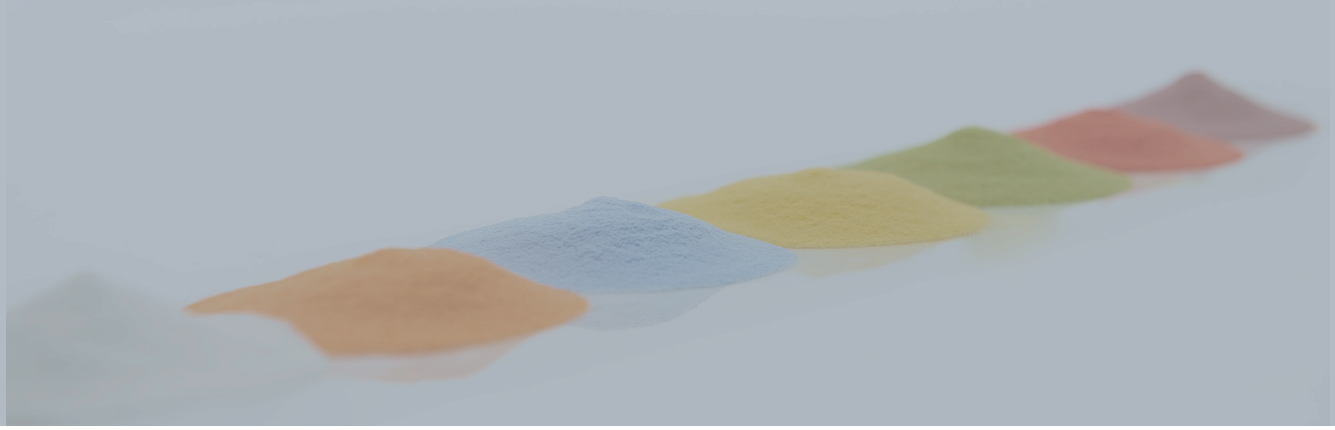

Firmapress Organic®
Safety Data Sheet
Technical Specifications
Intolerance Data

We don’t just sell machines–
we provide service.

Version 1.2 – 2020/12/28

Contents

1. Safety Data Sheet 3
1.1 Description 3
1.2 Ingredients/Identity Information 3
1.3 Hazards Identification 4
1.4 First Aid Procedures 5
1.5 Fire and Hazard Data 6
1.6 Release/Spill Measures 7
1.7 Storage 7
1.8 Control Methods/PPE 7
1.9 Physical and Chemical Properties 8
1.10 Stability and Reactivity 8
1.11 Toxicological Information 8
1.12 Ecological Information 9
1.13 Disposal Considerations 9
1.14 Transport Information 9
1.15 Regulatory Information 9
1.16 Other Information 10
2. Technical Specifications 11
2.1 Product Data 11
2.2 Microbiological Test 12
2.3 Metals 12
2.4 Confirmation of Status List 13
3. Intolerance Data 14
3.1 Intolerance Data Table 14

1. Safety Data Sheet

1.1 Description

Product Name	Firmapress Organic®
Product Code	FPO
Supplier	LFA Machines Oxford Ltd. Unit 4b, 26-27 Murdock Road Bicester, Oxfordshire OX26499 United Kingdom Tel: +44 (0) 1869 250 234

1.2 Ingredients/Identity Information

Components	Organic guar gum, organic guar arabic, organic pea protein, organic rice hull concentrate, organic agave syrup
% in Product	100
Formula	Not available
EINECS Number	Not available

1.3 Hazards Identification

Potential Acute Health Effects	Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat. Exposure to large concentration of air-borne dust of this material may cause mechanical irritation of the mucous membranes and respiratory tract. This product is very absorbent and may have a drying effect on skin and eyes.
Potential Chronic Health Effects	Not available
Carcinogenic Effects	Not available
Mutagenic Effects	Not available
Teratogenic Effects	Not available
Developmental Toxicity	Not available
Hazardous Symbols/ Pictograms	Not applicable
Signal Words	WARNING!

1.4 First Aid Procedures

Eye Contact	Rinse immediately and as long as possibly (30 minutes at least) with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Remove contact lenses if present.
Skin Contact	Wash skin with plenty of water. Get medical attention if irritation develops.
Serious Skin Contact	Get medical attention.
Inhalation	If inhaled, move to fresh air. Get medical attention if irritation develops.
Serious Inhalation	Get medical attention.
Ingestion	Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
Serious Ingestion	Get medical attention if symptoms appear.

1.5 Fire and Hazard Data

Flammability of Product	May form combustible dust concentration in air.
Temperature	Not available
Flash Points	Not available
Flammable Limits	Not available
Products of Combustion	During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to CO and CO2.

Special hazards arising from the product

Do not permit dust to accumulate. When suspended in air, dust can pose an explosion hazard. If dust layers are exposed to elevated temperatures, spontaneous combustion may occur. Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, electrically bond and ground equipment and do not permit dust to accumulate. Dust can be ignited by static discharge.

Advice for fire fighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing (includes fire-fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Additional information

Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. Hand-held dry chemical or carbon dioxide extinguishers may be used for small fires. Dust explosion hazard may result from forceful application of fire extinguishing agents. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

1.6 Release/Spill Measures

Small Spill

Use care to minimize generation of airborne dust. Use appropriate tools to put the spilled solid in an appropriate container. Finish cleaning by spreading warm water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill

Use care to minimize generation of airborne dust. Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading warm water on the contaminated surface and allow it to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV (check with local authorities).

1.7 Storage

Precautions

Keep away from heat. Keep away from sources of ignition and flame.

Storage

Keep container tightly closed. Keep container in a dry, cool, and well-ventilated area. Keep away from sources of ignition and flame. Electrically ground and bond all equipment. Protect from atmospheric moisture and water. Storage temperature: 5-25°C (40-77°F).

1.8 Control Methods/PPE

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to airborne levels below recommended exposure limits. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. The material can accumulate static charge and can therefore cause electrical ignition of flammable atmospheres. Do not permit dust layers to accumulate.

Personal Protective Equipment

- Safety glasses/chemical goggles
- Lab coat
- Dust respirator
- Gloves

Personal Protective Equipment in Case of Large Spill

Note: Consult a specialist before handling this product to ensure that the suggested PPE below is sufficient.

- Splash goggles
- Full suit
- Dust respirator
- Boots
- Gloves

1.9 Physical and Chemical Properties

Physical State	Powder
Color	Brown
Odor	Moderate own smell

1.10 Stability and Reactivity

Stability	The product is stable under recommended storage conditions.
Reactivity	Not reactive. No decomposition if stored and applied as directed.
Conditions to Avoid	Avoid electrostatic charge and temperatures above 80°C (176°F). Increased temperature could cause decomposition.
Incompatible Materials	Avoid contact with oxidizing materials, strong acids, and strong bases.

1.11 Toxicological Information

Acute Toxicity	No acute toxicity
Ingestion	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. May result in gastrointestinal irritation. LD50: >2000 mg/kg (rat).
Eye Contact	Solid or dust may cause irritation or corneal injury due to mechanical action.
Skin Contact	Essentially non-irritating to skin. LD50 has not been determined.
Inhalation	No adverse effects are anticipated from single exposure to dust. Exposure to a large concentration of airborne dust of this material may cause mechanical irritation of the mucous membranes and respiratory tract.
Chronic Toxicity and Carcinogenicity	None

1.12 Ecological Information

Ecotoxicity	Toxicity to fish. LC50: >100 mg/l
Persistence and Degradability	No appreciable biodegradability is expected.
Bioaccumulation Potential	No data available
Mobility/Result of PBT properties	No data available

1.13 Disposal Considerations

Waste from Residue

Dispose of in accordance with all applicable local and national regulations. Do not dump into any sewers, on the ground, or in water.

1.14 Transport Information

Transport Classification

Not classified as dangerous for any mode of UK or International transport. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organization to follow all applicable laws, regulations, and rules relating to the transportation of the material.

1.15 Regulatory Information

References

Not available

Other Special Considerations

Reviews, Standards and Regulations:

- OSHA Hazard Communication Standard
- SARA 311/312 Hazards
- SARA 313, Component(s) SARA 313
- Pennsylvania Worker and Community Right-To-Know Act
- California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)
- United States TSCA Inventory (TSCA)

1.16 Other Information

This advice is given by LFA Machines Oxford Ltd., who accept no legal liability for it. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

Individuals working with chemicals should consider all chemicals to be potentially hazardous even if their individual hazards may be uncharacterized or unknown.

We confirm that the information above is sourced from the original manufacturers/suppliers.

2. Technical Specifications

2.1 Product Data

Product Code	FPO
Raw Material Full Name	Firmapress Organic
Raw Material Full Botanical/ Chemical/Latin/Trade Name/ Synonyms	Tableting mix comprised of organic guar gum, organic gum arabic, organic pea protein, organic rice hulls, organic agave syrup
Solubility in Water	Practically insoluble in water
Loss on Drying	<12.0%
Ash	<5.0%
Bulk Density	0.45-0.55 g/cm^3
Country of Origin	United States of America
Country of Origin of the Manufacture	United States of America
Shelf Life from Date of Manufacture	24 months
Storage Conditions	This material is to be stored in the original tightly sealed bag/container and to be kept in a cool place away from the moisture, direct sunlight, and heat. Should be stored in temperatures between 40°F (5°C) and 77°F (25°C).
Appearance (Color, Flavor/Taste, Texture, Odor)	Free flowing fine powder. Color is brown. Has moderate own smell. Texture is powder. Has moderate own taste.

2.2 Microbiological Test

Total Viable Count	Not available
Yeast & Moulds	Not available
E. Coli	Not available
Salmonella	Not available
Staphylococcus aureus	Not available

2.3 Metals

Lead (Pb)	Not available
Cadmium (Cd)	Not available
Nickel (Ni)	Not available
Pharmacopoeia Standard Used	Not available

There are no nuts in this recipe, and there are no nuts on site. However, we cannot guarantee that the raw materials entering the site are nut free.

2.4 Confirmation of Status List

CONFIRMATION OF BSE/TSE STATUS

This is to certify that this product complies with all relevant current UK and EU Legislative requirements in regard to Transmissible Spongiform Encephalopathy (TSE) and Bovine Spongiform Encephalopathy (BSE) for human food, and so is free of TSE/BSE. This is also to certify that, during the course of their manufacture, the above-mentioned product did not come into contact with any materials, which could be derived from TSE/BSE risk materials.

CONFIRMATION OF GM STATUS

This is to certify that this product is not manufactured from GM raw materials and is therefore not subject to labelling under regulations 1829/2003/EC and 1830/2003/EC.

CONFIRMATION OF NON-IRRADIATION STATUS

This is to certify that this product, whole or in part, has not been subjected to ionizing radiation as per European Directives 1999/2/EC and 1000/3/EC.

CONFIRMATION OF NANDROLONE STATUS

This is to certify that this product, whole or in part, has not come into contact with Nandrolone or any of its precursors in any way.

CONFIRMATION OF IOC PRODUCT STATUS

This is to certify that this product, whole or in part, has not come into contact with any product(s) banned by the IOC (International Olympics Committee).

CONFIRMATION OF ANIMAL TESTING STATUS

This is to certify that all the products sold by LFA Machines Oxford Ltd. have not been tested on animals in any part of its manufacture in accordance with regulation 86/609/EEC.

CONFIRMATION OF PESTICIDES STATUS

This is to certify that the above-mentioned product complies with the regulation (EC) No. 396/2005 of 23rd February 2005 and commission regulation (EU) No. 559/2011 of 7th June 2011 amending annexes II and III of the above Regulation.

3. Intolerance Data

3.1 Intolerance Data Table

Free from all animal products (beef, pork, poultry, or other)	YES
Free from bovine products or derivatives by using hormones to increase milk yield in cows	YES
Free from bone meal	YES
Free from peanuts and peanut derivatives (including possible cross contamination)	YES
Free from other nut and nut derivatives	YES
Free from nut derived oil	YES
Free from sesame seeds and sesame seed derivatives	YES
Free from poppy seeds and poppy seed derivatives	YES
Free from sunflower seeds and sunflower seed derivatives	YES
Free from other seeds and seed derivatives	YES
Free from milk and milk derivatives	YES
Free from egg and egg derivatives	YES
Free from cereals containing gluten (wheat/rye/oats/barley/spelt/kamut or their hybridized strains) and derivatives	YES
Free from soya and soya derivatives	YES
Free from maize and maize derivatives	YES
Free from corn and corn derivatives	YES
Free from lupin and lupin derivatives	YES
Free from yeast and yeast derivatives	YES
Free from cotton seeds (flour) and cotton seed derivatives	YES
Free from rice and rice derivatives	NO (rice hulls)
Free from mustard and mustard derivatives	YES
Free from celery and celery derivatives	YES
Free from celeriac and celeriac derivatives	YES
Free from fruit and fruit derivatives	YES
Free from vegetable and vegetable derivatives	NO (pea protein, guar gum, guar arabic, agave syrup)
Free from carrot and carrot derivatives	YES
Free from legumes/pulses	YES

Free from fish and fish derivatives	YES
Free from crustaceans and/or molluscs and their derivatives	YES
Free from additives	YES
Free from added salt	YES
Free from added sugar	YES
Free from antioxidants	YES
Free from artificial glutamates	YES
Free from aspartame	YES
Free from Azo and coal tar dyes	YES
Free from benzoates (E210/E219)	YES
Free from BHA/BHT (E320/E321)	YES
Free from caffeine	YES
Free from cinnamon	YES
Free from cocoa	YES
Free from colors (artificial/nature identical/natural/smoked)	YES
Free from dextrose	YES
Free from dioxins	YES
Free from ethanol	YES
Free from ethylene oxide	YES
Free from flavorings (artificial/nature identical/natural/smoked)	YES
Free from garlic	YES
Free from gelatine	YES
Free from glutamates (E620 to E625)	YES
Free from histamine	YES
Free from hickory	YES
Free from honey	YES
Free from lactose	YES

Free from latex	YES
Free from MSG (added and naturally occurring E621)	YES
Free from nucleotides (E627, E630, E631. E635)	YES
Free from polyols	YES
Free from preservatives	YES
Free from starch products (including maltodextrin)	YES
Free from sorbic acid (E200, E203)	YES
Free from sulphur dioxide and sulphites at levels above 10 mg/kg or 10 mg/liter express as SO^2	YES
Free from sweeteners	YES
Free from vannillin	YES
Suitable for diabetics	YES
Suitable for Celiacs	YES
Suitable for Ovo-Lacto Vegetarians	YES
Suitable for Vegans	YES
Kosher Certified	YES
Halal Certified	YES

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