


Supplier	
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Product Specifications	
Feed Stuff	Citrus Pulp, Dried Pellets
Trading Name	Citrus Pulp Pellets (CPP), Dried citrus pulp, pelleted citrus pulp, citrus meal
Image- Typical Image of Citrus Pulp Pellets**	
 <p>**(product may vary in appearance depending on suppliers)</p>	
Product Description	<p>A by-product obtained from the pressing of citrus fruits or during the production of citrus juice. The product is subsequently dried and may have undergone a depectinisation process.</p> <p>It is typically presented as an orange to dark brown meal or pellet. This material is derived from citrus pulp and sap remaining after juice extraction.</p>
Specification*	<ul style="list-style-type: none"> Oil Content : ~ 1.0-2.5% Protein : ~ 6-7% Fibre : ~ 10-14% Moisture : ~ 8-10% (*Values are not contractual)
General Use	Citrus pulp is a typical raw material in cattle feed with a maximum inclusion rate of 30%. It is also suitable for pigs.
Packaging & Transport	Bulk
Labelling	According to EU legislation 767/2009
Storage	Citrus should be stored at an ambient –cool temperature in dry flat stores (TASCC approved). No heat should be applied to the products as it can have a potential to self-ignite given combustible conditions.
Legal Demands	<p>The product complies with all applicable legislation. Most important elements are:</p> <ul style="list-style-type: none"> Animal Feed Legislation Directive 2002/32/EG on undesirable substances in animal feed. Regulation 396/2005 on maximum residue levels of pesticides in or on food or feed Regulation (EC) No. 1831/2003 concerning animal feed hygiene Commission Recommendation- EC 2006/576/EC Where applicable The Animal Feed (Amendment) (EU Exit) Regulations Statutory Instruments (Scotland, England, Wales and Northern Ireland) Where applicable The Feed (Sampling and Analysis and Specified Undesirable substances) Regulations 2010. (SI for Scotland 354, Northern Ireland 323, Wales 2287 & England 2280)
Undesirable substances	<p>The maximum determined contents for undesirable substances in feedstuff, such as established in:</p> <ul style="list-style-type: none"> Directive 2002/32/EG on undesirable substances in animal feed. GMP+FSA; Appendix 1 (Product standards, including residue standards).

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	<ul style="list-style-type: none"> Regulation 396/2005 on maximum residue levels of pesticides in or on food or feed.
Specific analysis and standard tolerances	
Salmonella	Absent in 25g
Appearance	Orange to dark brown meal or pellet
Country of origin	USA, Brazil
Health Information	
Inhalation	Citrus can cause dust which can cause lung congestion if inhaled. Non-toxic – dust masks should be worn.
Ingestion	None – Non-toxic product.
Eye Contact	Exposure may result in pain, redness and watering of the eyes
Skin Contact	Dust can cause irritation or sensitivity to skin.
Toxicological Information	Non-Toxic
Occupational exposure limits	None
Emergency first aid procedures	
Ingestion	Do not induce vomiting. Give person water to drink. If gastro-intestinal symptoms develop seek medical help. Non-toxic – dust masks should be worn.
Eye Contact	In the event of eye contact irrigate with water for at least 15 minutes. Exposure may result in mild irritation. Direct eye contact may result in pain, redness and watering of the eyes. Seek medical attention if symptoms persist.
Skin Contact	Removal from area of dust. Wash effected area with soap and water. Seek medical attention if irritation develops.
Inhalation	Remove people to fresh air. – dust masks should be worn. Seek medical attention if required.
Physical properties	
Physical state	Solid
Appearance	Orange to dark brown colour..
Odor	Citrus pellets have a pleasant, sweet odor of fruit and should not be stowed together with odor sensitive products.
Flammability limits	Not known.
Fire & Explosion hazard	
Flash point	>60°C
Flammability	Citrus can produce dust which is combustible. There is a risk of dust explosion at a dust/air ratio of 20 - 2000 g/m3. Eliminate any sources of ignition. Temperature monitoring is required frequently. Extraction facilities should be used in storage areas to reduce explosion risk.
Extinguishing media	Foam, dry chemical, carbon dioxide and water spray.
Explosion class	St 1
Special firefighting procedures & precautions	
<p>The product is combustible when exposed to heat. Suitable extinguishing agents include dry chemical, carbon dioxide (CO₂), and foam.</p> <p>Water must not be used, as it may increase the risk of heat build-up and self-combustion.</p> <p>In the event of a fire, firefighters must use self-contained breathing apparatus (SCBA) to avoid inhalation of smoke and potentially hazardous fumes.</p> <p>Adequate dust extraction systems should be installed in all areas where dust may be generated to reduce the risk of ignition and maintain air quality.</p>	
Reactivity	
Stability	Stable
Hazardous Polymerization	Not known.
Material to avoid	Strong oxidizing agents and moisture.
Hazardous decomposition products	Combustion produces CO ² , CO & thick smoke, The CO content may rise from 0.002 - 0.005 vol.% to 1 vol.%. The lethal (fatal) dose is approx. 0.1 vol.%.

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Personal protection / Exposure control	
Respiratory Protection	Always ensure the work area has adequate ventilation. In case of dust formation, wear appropriate respiratory protective equipment determined and fitted by an expert. dust masks should be worn.
Skin protection	Gloves and overalls should be worn when handling.
Eye Protection	Always wear approved safety glasses when working. Full face protective shields can be worn to avoid contact with face. Wash stations should be provided.
Footwear	Appropriate footwear as specified by workplace requirements.
Environmental Protection	
Environmental precautions	None. Avoid excessive dust emissions.
Spill or leak precautions	No special precautions. Normal sweeping of small spillages and collection is appropriate. For larger spillages mechanical scooping may be necessary (use only diesel vehicles)
Waste disposal	Dispose spilled or contaminated material to landfill. Do not release into drains or other measures.
This is for information purposes only and is not contractual.	