

| Supplier  |   |
|---|---|
| Cefetra Ltd<br>The Lightyear Building<br>Glasgow Airport Business Park<br>Marchburn Drive<br>PA3 2SJ<br>Scotland<br>0141 445 5721 |   |
| 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**   |   |
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| ** (product may vary in appearance depending on suppliers)  |   |
| Product Description   | Product obtained by pressing citrus fruits or during the production of citrus juice, which is subsequently dried. It may have been depectinised. Orange to dark brown meal or pellet, A by product obtained by pressing citrus fruits citrus sap during the production of citrus juice.   |
| Specification*  | <ul style="list-style-type: none"> <li>• Oil Content : ~1.0-2.5%</li> <li>• Protein : ~6-7%</li> <li>• Fibre : ~10-14%</li> <li>• Moisture : ~ 8-9%</li> </ul> <p style="text-align: right;">(*Values are not contractual)</p>  |
| 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   | The products comply with legal requirements & legislation. The most significant elements of which are: <ul style="list-style-type: none"> <li>• Regulation 183/2005 on Feed hygiene.</li> <li>• Regulation 767/2009 on placing on the market and the use of feed.</li> <li>• GMP+ &amp; FEMAS Feed safety Assurance Scheme.</li> <li>• Feeding Stuffs Regulations 2000.</li> </ul>                |
| Undesirable substances  | The maximum determined contents for undesirable substances in feedstuff, such as established in: <ul style="list-style-type: none"> <li>• Directive 2002/32/EG on undesirable substances in animal feed;</li> <li>• GMP+FSA; Appendix 1 (Product standards, including residue standards.</li> <li>• Regulation 396/2005 on maximum residue levels of pesticides in or on food or feed.</li> </ul> |
| Specific analysis and standard tolerances   |   |
| Salmonella  | Absent in 25g   |
| Appearance  | Orange to dark brown meal or pellet   |
| Country of origin   | USA, Brazil   |
| Health Information  |   |

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| 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   |
| <b>Emergency first aid procedures</b>   |  |
| 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 person to fresh air. – dust masks should be worn. Seek medical attention if required.   |
| <b>Physical properties</b>  |  |
| Physical state  | Solid  |
| Appearance  | Orange to dark brown colour..  |
| Odour   | Citrus pellets have a pleasant, sweet odour of fruit and should not be stowed together with odour sensitive products.  |
| Flammability limits   | Not known  |
| <b>Fire &amp; Explosion hazard</b>  |  |
| 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 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   |
| <b>Special firefighting procedures &amp; precautions</b>  |  |
| Combustible when subjected to heat. Suitable extinguishing agents are dry agent, carbon dioxide and foam. Fire fighters should use self-contained breathing apparatus to avoid exposure to smoke and fumes. |  |
| Adequate extraction facilities should be provided in all areas subject to dust.   |  |
| <b>Reactivity</b>   |  |
| Stability   | Stable   |
| Hazardous Polymerization  | Not known  |
| Material to avoid   | Strong oxidizing agents and moisture.  |
| Hazardous decomposition products  | Combustion produces CO <sup>2</sup> , 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.%.   |
| <b>Personal protection / Exposure control</b>   |  |
| 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.   |
| <b>Environmental Protection</b>   |  |
| Environmental precautions   | None. Avoid excessive dust emissions   |

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| 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.  |
| <b>This is for information purposes only and is not contractual</b> |  |