


Supplier	
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Product Specifications	
Feed Stuff	Palm Kernel Meal
Trading Name	Palm Kernel Expellers (PK)
Image- Typical Image of Palm kernel Expeller	
 <p>**(product may vary in appearance depending on suppliers)</p>	
Product Description	Product of oil manufacture, obtained by pressing of palm kernels <i>Elaeis guineensis</i> Jacq, <i>Corozo oleifera</i> (HBK) L. H. Bailey ( <i>Elaeis melanococca</i> auct) from which as much as possible of the hard shell has been removed.
Specification*	Protein- ~14-16% Fat - ~ 7-9% Fibre- ~15-17% Moisture-~8% <p>(These Values are not contractual)</p>
General Use	By) Products of oil containing seeds are applied in compound feedstuffs for all animal classes. This product can also be fed directly to animals as singular feedstuff. Palm Kernel expeller is typically used as cattle feed raw material. The maximum mixing rate is 25%. A maximum rate of 5% is used in pig feed.
Packaging & Transport	Bulk
Labelling	According to EU legislation 767/2009
Storage	Palm Kernel 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 potentially self-ignite given combustible conditions.
Legal Demands	The product complies with all applicable legislation. Most important elements are: <ul style="list-style-type: none"> <li>• Animal Feed Legislation</li> <li>• Directive 2002/32/EG on undesirable substances in animal feed.</li> <li>• Regulation 396/2005 on maximum residue levels of pesticides in or on food or feed</li> <li>• Regulation (EC) No. 1831/2003 concerning animal feed hygiene</li> <li>• Commission Recommendation- EC 2006/576/EC</li> <li>• Where applicable The Animal Feed (Amendment) (EU Exit) Regulations Statutory Instruments (Scotland, England, Wales and Northern Ireland)</li> <li>• Where applicable The Feed (Sampling and Analysis and Specified Undesirable substances) Regulations 2010. (SI for Scotland 354, Northern Ireland 323, Wales 2287 &amp; England 2280)</li> </ul>
Undesirable substances	The maximum allowable contents of undesirable substances in feedstuffs are established in accordance with the following regulations and standards: <ul style="list-style-type: none"> <li>• Directive 2002/32/EC on undesirable substances in animal feed</li> <li>• GMP+ FSA, Appendix 1 – Product Standards (including residue limits), recalculated to a moisture content of 12%</li> </ul> Compliance with these limits ensures feed safety and quality.

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## Product Data Sheet – Animal Feeds

Specific analysis and standard tolerances	
Salmonella	Absent in 25g
Appearance	The natural colour of PK is white, The husks and skins are dark brown/ black.
Country of origin	Mainly cultivated in Malaysia and Indonesia.
Health Information	
Inhalation	Classified as a dust nuisance only. Inhalation may aggravate those with pre-existing conditions.
Ingestion	Non-hazardous food product. May cause an allergic response with sensitive individuals.
Eye Contact	Can cause discomfort
Skin Contact	In certain individuals subject to Malady, dermatitis may occur and hence protective gloves would be advisable. The material is classified as non-toxic but as dust nuisance only. It is not a corrosive.
Toxicological Information	Not available.
Occupational exposure limits	None available.
Emergency first aid procedures	
Ingestion	Non-toxic – dust masks should be worn.
Eye Contact	In case of eye contact, rinse thoroughly with water for at least 15 minutes. Exposure may cause mild irritation. Seek medical attention if symptoms persist.
Skin Contact	Wash contacts areas with soap and water. Get medical attention promptly if symptoms occur.
Inhalation	Remove individual to fresh air. Seek medical attention if symptoms persist.
Physical properties	
Physical state	Solid
Appearance	The natural colour of PK is white, The husks and skins are dark brown/ black.
Odour	None
Flammability limits	Not Known.
Fire & Explosion hazard	
Flammability	Combustible when subjected to heat, also can self-heat. Temperature monitoring is required frequently. Extraction facilities should be used in storage areas to reduce explosion risk.
Flash Point	>60°C
Extinguishing media	Foam, dry chemical, carbon dioxide – flames should be smothered.
Explosion Class	ST 1
Special firefighting procedures & precautions	
<p>The material is combustible when exposed to heat. Suitable extinguishing agents include dry chemical agents, carbon dioxide (CO<sub>2</sub>), and foam. Firefighters should wear self-contained breathing apparatus (SCBA) to prevent exposure to smoke and hazardous fumes.</p> <p>Adequate dust extraction systems must be provided in all areas where dust accumulation occurs to reduce fire risk.</p> <p><b>Water must not be used, as it may increase the risk of heating and spontaneous combustion.</b></p>	
Reactivity	
Stability	Stable
Hazardous Polymerization	Not known.
Materials to Avoid	Strong oxidizing agents, moisture and heat sources.
Hazardous decomposition products	Combustion produces CO <sub>2</sub> & CO which can be toxic.
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	

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## **Product Data Sheet – Animal Feeds**

Environmental precautions	Avoid discharge into sewage systems, water courses or onto the ground. Avoid excessive dust emissions.
Spill or leak precautions	Clean up spilled material using broom or other measure.
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>	