


R7-04A	Product data Sheet Animal Feeds	Revision: 3 Page: 1/3 Date: 28-11-2016
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Supplier	Cefetra Ltd, King George V Dock Glasgow G51 4SE 0141 445 5721
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Product Specifications	
Feedstuff	Palm Kernel Meal
Trading Name	Palm Kernel Expellers (PK)
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 auct.</i>) from which as much as possible of the hard shell has been removed.
Category	2.12.1
Image: <u>Typical Image of Palm Kernel Expeller</u>	
	
Specification	PK Expeller- Protein- ~15% Fat - ~ 8% Fibre- ~17% Moisture-~8% *(these values are non-contractual)
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
Storage & Storage life	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 products comply with legal requirements & legislation. The most significant elements of which are: <ul style="list-style-type: none"> • Regulation 183/2005 on Feed hygiene. • Regulation 767/2009 on placing on the market and the use of feed. • GMP+ Feed safety Assurance Scheme. • Feeding Stuffs Regulations 2000

This is for information purposes only and is not contractual.

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) • Regulation 396/2005 on maximum residue levels of pesticides in or on food or feed
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Specific analysis and standard tolerances

Salmonella – Absent in 25 grs

Appearance	Dark brown/black meal appearance
Country of origin	Mainly cultivated in Malaysia and Indonesia

Health Information:

Inhalation	When handled, PK meal can give off large quantities of dust; in some cases the dust may include contaminants such as bacteria & fungi. Inhalation may cause endotoxin sensitisation of the lungs.
Ingestion	Can cause dust which can cause lung congestion if inhaled
Eye Contact	Exposure may cause mild irritation.
Skin Contact	Dust can cause sensitisation to the skin in some people.
Toxicological Information	Non-toxic product
Occupational exposure limits	Not set. Recommended 8 hour time-weighted average (TWA)

Emergency first aid procedures:

Ingestion	Non-toxic – dust masks should be worn.
Eye Contact	n/a
Skin Contact	n/a
Inhalation	n/a

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:

Flash point	>60°C
Flammability	Combustible when subjected to heat, also can self heat. Temperature monitoring required frequently. Extraction facilities should be used in storage areas to reduce explosion risk.
Extinguishing media	Foam, dry chemical, carbon dioxide

Special fire fighting procedures & precautions

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.

Reactivity:

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Stability	Stable
Hazardous Polymerization	Not known
Material to avoid	Strong oxidizing agents, moisture and sources of heat.
Hazardous decomposition products	Combustion produces CO ₂ & 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.
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.
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.

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