


Supplier	
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Product Specifications	
Feed Stuff	Malt Residual Pellets, Malt Rootlets
Trading Name	Malt Residues, Malt Culms, Malt Res
<b>Image- Typical Image of Malt Residual Pellets **</b>	
	
**(product may vary in appearance depending on suppliers)	
Product Description	Product from malting cereals germination and malt cleaning consisting of rootlets, cereal fines, husks and small broken malted cereal grains. It may be milled. Malt residues are a by-product of processing barley during distillation, during its malting process.
Specification*	Protein: ~23.5% Fibre: ~13.5% <span style="float: right;">(* Values are not contractual)</span>
General Use	Malt Residues are mixed in animal feed.
Packaging & Transport	Bulk
Labelling	According to EU legislation 767/2009
Storage	Malt Residues should be stored at ambient/ cool temperatures in dry flat stores.
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 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	Brown Pellet with yellow/white specks.
Country of origin	EU
<b>Health Information</b>	
Inhalation	May be considered as only a dust nuisance.
Ingestion	No known hazards.
Eye Contact	Contact can cause irritation.
Skin Contact	Dust can cause irritation or sensitivity to skin.
Toxicological Information	Non-toxic product.
Occupational exposure limits	None available.
<b>Emergency first aid procedures</b>	
Ingestion	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. Seek medical attention if irritation Occurs.
Skin Contact	Wash effected area with soap and water. Seek medical attention if irritation develops.
Inhalation	Remove person to fresh air. Seek medical attention if symptoms develop.
<b>Physical properties</b>	
Physical state	Solid
Appearance	Brown pellet with yellow/white specks
Odour	Pleasant characteristic smell of Malt residues.
Flammability limits	Not known.
<b>Fire &amp; Explosion hazard</b>	
Flash point	Not Known.
Flammability	Dust created by malt residuals falls in the lowest explosion category.
Extinguishing media	Foam, dry chemical, carbon dioxide and water spray.
<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.
<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.
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	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.
<b>This is for information purposes only and is not contractual</b>	