


Supplier											
Cefetra Ltd The Lightyear Building Glasgow Airport Business Park Marchburn Drive PA3 2SJ Scotland 0141 445 5721											
Product Specifications											
Feed Stuff	Sunflower Expellers										
Trading Name	Sunflower Expellers (can be Hi Pro or Lo Pro)										
Image- Typical Image of Sunflower Expellers **											
											
** (product may vary in appearance depending on suppliers)											
Product Description	Product of the manufacture of sugar consisting of water-extracted and dried slices of sugar beet. Sugar Beet pulp is a by-product of the sugar industry. The sugar is removed from the beet pulp leaving the cellular residue. This is then dried and pelleted.										
Specification*	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Standard:</u></th> <th style="text-align: left;"><u>Hi Pro:</u></th> </tr> </thead> <tbody> <tr> <td>Protein: ~30-32%</td> <td>~34%</td> </tr> <tr> <td>Oil: ~8%</td> <td>~12%</td> </tr> <tr> <td>Fibre: ~18-20%</td> <td>~16%</td> </tr> <tr> <td>Moisture: ~5-10%</td> <td></td> </tr> </tbody> </table> <p style="text-align: right;">(*Values are not contractual)</p>	<u>Standard:</u>	<u>Hi Pro:</u>	Protein: ~30-32%	~34%	Oil: ~8%	~12%	Fibre: ~18-20%	~16%	Moisture: ~5-10%	
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General Use	Due to its high protein content, sunflower expeller made from hulled seeds is a valuable feedstuff for all kinds of animals. The crude protein content is increased by hulling the seeds										
Packaging & Transport	Bulk										
Labelling	According to EU legislation 767/2009										
Storage	Dry cool and dark storage. Product can oxidise in storage. Favourable travel temperature: 5 - 25°C. Continuous temperature measurements should be taken during loading of the cargo.										
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. 										
Undesirable substances	The maximum determined contents for undesirable substances in feedstuff, such as established in: <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. 										
Specific analysis and standard tolerances											
Salmonella	Absent in 25g										
Appearance	Grey / black meal pellets										
Country of origin	EU, Ukraine and Russia										
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.										

R7-04A

Product data Sheet Animal Feeds

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 the event of eye contact irrigate with water for at least 15 minutes. Exposure may result in mild irritation. Seek medical attention if symptoms persist.
Skin Contact	Wash contact areas with soap and water. Get medical attention promptly if symptoms occur
Inhalation	Remove person to fresh air. Seek medical attention if symptoms persist.
Physical properties	
Physical state	Solid
Appearance	Brown pelletised product, mollased is darker than unmollased
Odour	Sugar Beet pellets have a pleasant, sweet odour and should not be stowed together with odour sensitive products.
Fire & Explosion hazard	
Flammability	Sunflower Expeller pellets are self-heating and can spontaneously combust. Ventilation, storage at low temperatures and continual temperature monitoring are important to prevent fires. BZ-2 Catches fire briefly and extinguishes rapidly
Flash Point	>60°C
Extinguishing media	Foam, powder or carbon dioxide
Explosion class	Not known
Special firefighting procedures & precautions	
<p>Sunflower expellers have poor thermal conductivity, so temperature measurements can be difficult to detect seats of risk. Sunflower expellers can also burn within the heat without producing appreciable quantities of smoke, fire cavities are common in such situations.</p> <p>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.</p> <p>Toxic gases such as hydrocarbons and carbon oxides may evolve when heated.</p>	
Reactivity	
Stability	Stable
Hazardous Polymerization	Not known
Materials to Avoid	Strong oxidizing agents, moisture and heat sources.
Hazardous decomposition products	Combustion produces CO ² , CO & thick smoke
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	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.
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