Cefetra

R7-04A **Product Data Sheet - Animal Feeds**

Supplier
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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 obtained from the mechanical extraction of oil from sunflower seeds. Sunflower expellers are a by-product of the sunflower oil industry. The sunflower seeds are cleaned, dehulled (where applicable), crushed and mechanically pressed to extract the oil, leaving behind the solid residue. This is then dried and pelletised.
Specification*	**Standard:** / **Hi-Pro** Protein: ~30-32% / ~34-40% Oil: ~0.5- 2.5% / ~0.5- 2% Fibre: ~18-20% / ~16% Moisture: ~5-10% (*Values are not contractual)
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	Store the product in a dry, cool, and dark environment to minimize oxidation during storage. Recommended transport temperature ranges between 5°C and 25°C. Continuous temperature monitoring is advised throughout the loading process to ensure product integrity.
Legal Demands	The product complies with all applicable legislation. Most important elements are: • Animal Feed Legislation • Directive 2002/32/EG on undesirable substances in animal feed. • Regulation 396/2005 on maximum residue levels of pesticides in or on food or feed • Regulation (EC) No. 183/2005 concerning animal feed hygiene • Commission Recommendation- EC 2006/576/EC • Where applicable The Animal Feed (Amendment) (EU Exit) Regulations Statutory Instruments (Scotland, England, Wales and Northern Ireland) • Where applicable The Feed (Sampling and Analysis and Specified Undesirable substances) Regulations 2010. (SI for Scotland 354, Northern Ireland 323, Wales 2287 & England 2280)
Undesirable substances	The maximum allowable contents for undesirable substances in feedstuff are established in accordance with the following regulations and standards: • Directive 2002/32/EC on undesirable substances in animal feed • GMP+ FSA, Appendix 1 (Product standards, including residue standards) • Regulation (EC) No. 396/2005 on maximum residue levels of pesticides in or on food or feed Compliance with these standards ensures the safety and quality of feed materials.

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.
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 individual to fresh air. Seek medical attention if symptoms persist.
Physical properties	
Physical state	Solid
Appearance	Brown pelletised product, molested is darker than unmolested.
Odor	Sugar Beet pellets have a pleasant, sweet odor and should not be stowed together with odor 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	
Sunflower expellers exhibit poor thermal conductivity, making it difficult to detect localized hotspots through temperature measurements. These expellers can smolder internally and burn without producing significant amounts of smoke, often resulting in hidden fire cavities. Suitable extinguishing agents include dry chemical agents, carbon dioxide, and foam. Firefighters should wear self-contained breathing apparatus (SCBA) to prevent exposure to smoke and toxic fumes. When heated, toxic gases such as hydrocarbons and carbon oxides may be released. **Water must not be used, as it increases the risk of heating and spontaneous combustion.**	
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 is adequately ventilated. In the event of dust formation, wear appropriate respiratory protective equipment that is properly selected and fitted by a qualified expert. Use dust masks as a minimum precaution.
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 measures.
Waste disposal	Dispose spilled or contaminated material to landfill. Do not release into drains or other measures.
This is for information purposes only and is not contractual	