


Supplier	
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Product Specifications	
Feed Stuff	Sunflower Seed meal (Hi Pro)
Trading Name	Sunflower Extractions
Image- Typical Image of Sunflower Extractions **	
 <p>** (product may vary in appearance depending on suppliers)</p>	
Product Description	By-product obtained during the processing of screened sunflower seed. By product from the recovery of oil through extraction (with the use of processing aids) from sunflower seeds which may have been (partially) shelled <i>Helianthus annuus</i> L.
Specification*	Protein: ~35-38% Oil: ~0.9-1.5% Fibre: ~15-20% Moisture: ~10% <p>(These Values are not contractual)</p>
General Use	(By)products of oil containing seeds are applied in compound feedstuffs for all animal classes.
Packaging & Transport	Bulk - Favorable temperature: 5 - 25°C
Labelling	According to EU legislation 767/2009
Storage	Dry cool and dark storage. Product can oxidise in storage.
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 feedstuff 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 standards)</li> <li>Regulation (EC) No. 396/2005 on maximum residue levels of pesticides in or on food or feed</li> </ul> Compliance with these requirements ensures feed safety and quality.
Specific analysis and standard tolerances	
Salmonella	Absent in 25g

Appearance	Grey / black meal pellets
Country of origin	EU, Ukraine and Argentina
<b>Health Information</b>	
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.
<b>Emergency first aid procedures</b>	
Ingestion	Non-toxic – dust masks should be worn.
Eye Contact	In case of eye contact, immediately irrigate the eyes with water for at least 15 minutes. Exposure may cause mild irritation. If symptoms persist, seek medical attention promptly.
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.
<b>Physical properties</b>	
Physical state	Solid
Appearance	Grey / Black can be meal or pellets.
Odor	Slight pleasant odor.
Flammability limits	Minimum Ignition temperature 300 - 500° (as per transport information service).
<b>Fire &amp; Explosion hazard</b>	
Flammability	There is a risk of dust explosion at dust/air ratios of 20 - 2000 g/m <sup>3</sup> . BZ 2- Catches fire briefly and extinguishes rapidly.
Flash Point	Volatile gases which have formed in the cargo over the course of self-heating and have a flash point of around 60°C have spontaneously ignited.
Extinguishing media	Foam, dry chemical, carbon dioxide – flames should be smothered.
Explosion Class	ST 1
<b>Special firefighting procedures &amp; precautions</b>	
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. Heating may release hazardous gases such as hydrocarbons and carbon oxides.	
<b>Water must not be used, as it can increase the risk of heating and spontaneous combustion.</b>	
<b>Reactivity</b>	
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 & 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. 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.
<b>Environmental Protection</b>	
Environmental precautions	Avoid discharge into sewage systems, water courses or onto the ground. Avoid excessive dust emissions

**R7-04A**

**Product Data Sheet - Animal Feeds**

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>	