


Supplier	
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Product Specifications	
Feed Stuff	Sunflower Seed meal
Trading Name	Sunflower Extractions
Image- Typical Image of Sunflower Extractions **	
<div>  </div> <div> <p>**(product may vary in appearance depending on suppliers)</p> </div>	
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: ~ 36-37% Oil: ~ 1.3-1.5% Fibre: ~ 16-17% Moisture: ~ 8-10% (These Values are not contractual)
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"> • 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. 1831/2003 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 levels of undesirable substances in feed materials are established in accordance with the following regulations and standards: <ul style="list-style-type: none"> • Directive 2002/32/EC on undesirable substances in animal feed • GMP+ FSA, Appendix 1 (Product standards, including residue limits), recalculated to a moisture content of 12% Compliance with these standards ensures the safety and quality of feed products in accordance with legal and industry requirements.
Specific analysis and standard tolerances	

Salmonella	Absent in 25g
Appearance	Grey / Black meal pellets
Country of origin	EU, Ukraine, Argentina, Russian
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	Grey / Black can be meal or pellets
Odor	Slight pleasant odor
Flammability limits	Minimum Ignition temperature 300 - 500° (as per transport information service)
Fire & Explosion hazard	
Flammability	There is a risk of dust explosion at dust/air ratios of 20 - 2000 g/m ³ . 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
Special firefighting procedures & precautions	
<p>Suitable extinguishing agents include dry chemical agents, carbon dioxide (CO₂), and foam.</p> <p>Firefighters must wear self-contained breathing apparatus (SCBA) to avoid exposure to smoke and potentially harmful fumes.</p> <p>When heated, the material may release toxic gases, such as hydrocarbons and carbon oxides.</p> <p>Water must not be used, as it may increase the risk of heating and spontaneous combustion.</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	

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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	