

MATERIAL SAFETY DATA SHEET (MSDS)
RED MILLET (PANICUM MILIACEUM L.) - WHOLE GRAIN

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SECTION 1 - IDENTIFICATION OF THE PRODUCT AND OF THE SUPPLIER

Product Name	Red Millet (Whole Grain)
Botanical Name	Panicum miliaceum L. (Proso Millet, red variety)
HS Code (GTİP)	1008.29 - Millet, other than seed for sowing (national tariff line 1008.29.00)
Country of Origin	As stated in the Sales Contract and Certificate of Origin
Product Use	Human consumption, milling and food processing, bird feed and animal feed applications
Supplier / Exporter	As stated on the letterhead of this document
Emergency Contact	As stated on the letterhead of this document

SECTION 2 - HAZARDS IDENTIFICATION

GHS Classification: The product is a natural agricultural foodstuff and is not classified as hazardous under the UN Globally Harmonized System (GHS) or Regulation (EC) No 1272/2008 (CLP). No hazard pictogram, signal word or hazard statement is required.

Other hazards: As with all cereal grains, fine organic dust generated during handling, conveying, discharging or milling may irritate the eyes and respiratory tract and, in high airborne concentrations within confined spaces, may form combustible dust-air mixtures. Bulk grain in enclosed holds or silos may deplete oxygen; confined-space entry procedures apply.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Whole grain of Panicum miliaceum L. (100%), consisting of naturally occurring starch, protein, dietary fibre, lipids, minerals and vitamins. The product contains no hazardous ingredients at or above regulatory disclosure thresholds, no additives and no preservatives, and is of non-GMO origin. A CAS number is not applicable to this natural agricultural product.

SECTION 4 - FIRST AID MEASURES

Inhalation (dust)	Remove the affected person to fresh air. Seek medical attention if respiratory irritation persists.
Eye Contact (dust)	Rinse cautiously with clean water for several minutes. Seek medical attention if irritation persists.
Skin Contact	Not expected to cause irritation. Wash with soap and water if required.
Ingestion	The product is a foodstuff; no first aid measures are required under normal circumstances.

SECTION 5 – FIREFIGHTING MEASURES

The product is a combustible organic material. Suitable extinguishing media are water spray, foam, dry chemical powder and carbon dioxide. Avoid the use of high-pressure water jets on accumulated dust, as dispersed dust clouds in confined areas may ignite. Firefighters should wear self-contained breathing apparatus and full protective clothing when fighting fires in enclosed storage areas.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Sweep up or vacuum spilled grain, avoiding the generation of airborne dust. Collect the material in suitable containers for recovery or disposal. Spilled product presents a slipping hazard on hard floors. No environmental precautions are required; the product is not hazardous to the environment.

SECTION 7 – HANDLING AND STORAGE

Handle in accordance with good industrial hygiene practice. Minimise dust generation and accumulation; provide adequate ventilation and eliminate ignition sources in areas where grain dust may accumulate. Store in original packing in clean, dry, cool and well-ventilated warehouses on pallets, protected from moisture, direct sunlight, heat sources and strong odours, with routine pest-control measures in place. Keep away from incompatible goods and chemicals.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Observe the national occupational exposure limits applicable to grain dust / organic dust at the place of handling. Provide local exhaust ventilation at transfer points where dust is generated. Personal protective equipment for dusty operations: dust mask (FFP1/FFP2 or equivalent), safety goggles and work gloves. Wash hands after handling in line with normal hygiene practice.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid – free-flowing whole grain kernels
Colour	Reddish-brown to orange-red, specific to the respective variety
Odour	Natural odour of sound grain, free from foreign odour
pH / Melting Point / Vapour Pressure	Not applicable to a natural solid grain product
Solubility in Water	Insoluble as whole grain
Explosive Properties	The product as supplied is not explosive; fine dust may form combustible dust-air mixtures

SECTION 10 – STABILITY AND REACTIVITY

The product is stable under the recommended storage and handling conditions. No hazardous reactions or hazardous polymerisation occur. Conditions to avoid: moisture ingress, elevated temperature, open flames and other ignition sources in dusty environments. Prolonged storage under humid conditions may lead to mould growth, self-heating and quality deterioration.

SECTION 11 - TOXICOLOGICAL INFORMATION

The product is an edible foodstuff intended for human consumption and exhibits no acute or chronic toxicity under normal conditions of use. Inhalation of grain dust may cause mechanical irritation of the eyes and upper respiratory tract; prolonged occupational exposure to high dust concentrations may cause respiratory sensitisation in susceptible individuals.

SECTION 12 - ECOLOGICAL INFORMATION

The product is a natural, readily biodegradable agricultural commodity. It is not classified as hazardous to the aquatic environment and presents no known ecotoxicity, bioaccumulation or persistence concerns.

SECTION 13 - DISPOSAL CONSIDERATIONS

Sound product may be recovered for food or feed use. Out-of-specification or spoiled material should be disposed of as organic / biodegradable waste in accordance with local and national waste regulations. Empty bags may be recycled or disposed of as non-hazardous packaging waste.

SECTION 14 - TRANSPORT INFORMATION

UN Number	Not applicable – not classified as dangerous goods
IMDG / ADR / RID / IATA	Not regulated for transport
Marine Pollutant	No
Transport Conditions	Carried in clean, dry, odour-free 40' containers in 25 kg bags; containers to be dressed/lined and ventilated as appropriate; fumigated prior to shipment with issuance of a Fumigation Certificate
Carriage Compliance	Delivered on CIF basis; ocean carriage is performed exclusively by non-sanctioned, non-designated vessels, shipping lines and logistics companies

SECTION 15 - REGULATORY INFORMATION

The product is a food-grade cereal grain, classified under HS Chapter 10 (Cereals), tariff subheading 1008.29, and is traded internationally under a Certificate of Origin, Phytosanitary Certificate (IPPC / ISPM 12), Non-GMO Certificate, Fumigation Certificate and Quality Report. It is not subject to chemical registration regimes applicable to industrial substances.

Sanctions Compliance (OFAC / EU / UK / UN): Agricultural commodities and foodstuffs, including cereals of HS Chapter 10, are not subject to prohibition under the sanctions regimes administered by the U.S. Department of the Treasury (OFAC), the European Union, the United Kingdom (OFSI) or the United Nations; these regimes contain express carve-outs, exemptions and general licences for agricultural and food products in order to safeguard global food security, and they do not target or restrict trade in such products between third countries and the country of origin. The Seller conducts all of its business in strict compliance with applicable OFAC, EU, UK and UN sanctions regulations and does not engage in any transaction with sanctioned or designated restricted parties, companies, individuals, financial institutions or vessels; all counterparties, banks, carriers and vessels are screened against the OFAC SDN List, the EU and UK Consolidated Sanctions Lists and the UN Security Council Consolidated List prior to engagement, and shipment under CIF terms is carried out solely with non-sanctioned vessels and logistics companies.

SECTION 16 - OTHER INFORMATION

This Material Safety Data Sheet has been prepared in the 16-section GHS format with reference to the producer's quality documentation and internationally recognised practice for cereal grain commodities. The information relates only to the specific product designated herein and reflects the current state of knowledge as of the issue date. It is provided in good faith for the safe handling, storage and transport of the product and does not constitute a contractual specification or warranty.



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