



Haji Dossa Nutragum (Pvt.) Ltd.
Dossa Guar - Just Natural Guar Gum Since 1956



Issue Date: 1.1.2023

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FSD-3, MR-150, UHV-66, PWS, CM, VG-2, HP4501, GUAR MEAL, GUAR KORMA

MANUFACTURER/SUPPLIER: Haji Dossa Nutragum (Pvt.) Ltd

ADDRESS: Plot 33, Sector 19, Korangi Industrial Area 74900, Karachi, Pakistan.

PHONE NUMBER: 92 213 5862379

FAX NUMBER: +92-213-5862379 / + 1-347-287-6786

E-MAIL: faroukdossa@dossaguar.com

PRODUCT USE: Food additive, Thickening agent, Stabilizer

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: May form combustible dust concentrations in air (during processing and handling). Inhalation of dust may cause respiratory irritation. Guar gum is very slippery when wet.

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|---|------------------|
| Classification according to 29 CFR 1910, amended to conform to the United Nations' Globally Harmonized System of Classification and Labeling of Chemicals (GHS): | |
| Hazards Not Otherwise Classified | Combustible Dust |

| | |
|---------------------------------|--|
| OSHA/ GHS Label Elements | |
| Signal Word: | Warning |
| Hazard Statement(s): | Not considered hazardous according to GHS classification |

ACUTE HEALTH EFFECTS:

EYES: Contact may cause irritation.

SKIN: Contact may cause dryness.

INGESTION: DO NOT INGEST. While this product is not toxic by ingestion, swallowing small amounts may cause irritation to mucous membranes.

INHALATION: Inhalation of dust may cause irritation of the nose, throat and respiratory passages. Symptoms may include coughing, sore throat, nasal congestion, sneezing wheezing and shortness of breath.

CHRONIC (LONG TERM EXPOSURE) HEALTH HAZARDS:

INHALATION: Overexposure to any nuisance dust may cause lung injury. Symptoms include cough, shortness of breath, difficulty breathing and reduced pulmonary function. Repeated exposures may cause allergic sensitization

CARCINOGENICITY: None of the components of this product are listed carcinogens or suspected by OSHA, IARC or NTP.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT: | CAS NO. | % WT |
|--------------------|------------------|-------------|
| GUAR GUM | 9000-30-0 | 100 |

CHEMICAL FAMILY: Carbohydrate

CHEMICAL FORMULA: Approximately (C₆H₁₀O₅)_n

SECTION 4: FIRST AID MEASURES

EYES: Flush immediately with large amounts of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. If irritation persists get medical attention.

SKIN: First aid is not normally needed. Wash exposed skin with soap and water after use. If irritation or rash develops get medical attention. Use skin lotion if dryness occurs.

INGESTION: Swallowing even small amounts may have serious, life-threatening effects. Get immediate medical attention.

INHALATION: If symptoms of irritation or allergy develop; remove person from source of exposure to fresh air. If symptoms persist get medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Not determined
(% BY VOLUME) LOWER: 0.040 oz/cf

FLASH POINT: N/A

AUTOIGNITION TEMPERATURE: Not Determined

NFPA HAZARD CLASSIFICATION

HEALTH: 0 **STABILITY & REACTIVITY:** 0 **FLAMMABILITY:** 1



EXTINGUISHING MEDIA: Use water, dry chemical, carbon dioxide or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear appropriate protective clothing and equipment. Avoid dust formation.

ENVIRONMENTAL PRECAUTIONS: Prevent any further leakage or spillage if safe to do so.

METHODS FOR CLEAN-UP: Caution: Guar gum is *very slippery when wet*. Suspended dust may present a serious dust explosion hazard. Sweep up or vacuum, avoiding the creation of airborne dust. Collect into a suitable container for disposal. After the material is swept up, wash any residual traces with hot water. Test area for residual slippery conditions.

SECTION 7: HANDLING AND STORAGE

HANDLING: Avoid generating and breathing dust. Avoid eye contact. Use with adequate local exhaust ventilation and dust collection to maintain the concentration of airborne dust below the exposure limits. If clothing becomes contaminated, remove and launder before re-use. Keep product away from oxidizers and all sources of ignition including flames, electrical sparks, hot surfaces, pilot lights, etc.

STORAGE: Keep product dry. Store in a cool, dry and well-ventilated area. Keep containers tightly closed to avoid moisture absorption.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Consult a qualified engineer for evaluation of materials handling and explosion protection.

RESPIRATORY PROTECTION: If the concentrations exceed the Threshold Value Limit (TLV), use appropriate NIOSH approved dust respirator, air respirator or self-contained breathing apparatus is recommended.

EYE PROTECTION: Safety glasses or goggles recommended.

SKIN PROTECTION: Rubber, plastic or leather gloves recommended.

GENERAL HYGIENIC CONSIDERATIONS: Handle in accordance with good industrial hygiene and safety practices.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White to off-white, free flowing powder

ODOR: Slight, bean-like odor

pH AS SUPPLIED: 5.5 -6.5

BOILING POINT: N/A

MELTING POINT: Decomposes

VAPOR PRESSURE (mmHg): N/A

VAPOR DENSITY (AIR = 1): N/A

SPECIFIC GRAVITY (H₂O = 1): N/A

EVAPORATION RATE : N/A

SOLUBILITY IN WATER: Soluble

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Material is stable.

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid high temperatures, sparks, open flames and moisture. Avoid contact with strong oxidizing agents.

HAZARDOUS REACTIONS-DECOMPOSITION PRODUCTS: Combustion may produce carbon dioxide, carbon monoxide and oxides of nitrogen.

HAZARDOUS POLYMERIZATION: Does not occur

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Guar gum is a natural food additive widely used in the food industry as a thickener, stabilizer and emulsifier. **LD₅₀, Oral Rat :** > 5000mg/kg

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Contains no substances known to be hazardous to the environment. It is a natural product that is biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in compliance with all applicable federal, state and local regulations. Do not dump down sewers or drains as this may cause blockage.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT), WATER TRANSPORTATION & AIR TRANSPORTATION

PROPER SHIPPING NAME: NOT REGULATED

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A
LABEL STATEMENT: N/A

SECTION 15: REGULATORY INFORMATION

The United States Food and Drug Administration, the European Economic Community and the World Health Organization accept guar gum as a food additive/ingredient providing it meets specified purity standards and dosage limitations. Maximum usage levels permitted may vary from country to country. Guar gum has been affirmed as GRAS by the United States Food & Drug Administration under title 21, CFR, part 184.1339; it is listed as item G.3 of Table IV, Division 16, of the Canadian Food and Drug Regulations and is referenced E-412 under the EEC Council Directives.

OSHA: No Known Hazards.

U.S.A

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components of this product are listed on the TSCA inventory or exempt from notification requirements.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): This product is not subject to CERCLA reporting requirements as it is sold.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): No Known SARA Hazards

CANADA

CANADIAN ENVIRONMENTAL PROTECTION ACT: All components of this product are listed on the Domestic Substances List (DSL) or exempt from notification requirement.

WHMIS INGREDIENT DISCLOSURE LIST IDL: No known component is listed on the WHMIS ingredients disclosure list.

CANADIAN NATIONAL POLLUTANT RELEASE INVENTORY (NPRI): Not listed on NPRI

EUROPE

European Inventory of Existing Commercial Chemical Substances (EINECS): All of the components of this product are listed on the EINECS Inventory or exempt from notification requirements. EINECS number 232-536-8.

SECTION 16: OTHER INFORMATION

The information provided on this MSDS is to the best of our knowledge, information and belief. It is based upon a limited view of Haji Dossa Nutragum (PVT) Ltd. and standard toxicological handbooks.