

Material Safety Data Sheet

ORGANIC GOLD

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material.

Date of preparation: 1st July 2005

Section 1 – Chemical Product and Company Identification

Product Identifier	Organic Gold
Identified Use	Nutrient product for mushroom production
Details of Supplier	Nutrigain Ltd., Unit 5 Gaw End Lane, Macclesfield, Cheshire SK11 0LB, U.K. Tel: 01625 860945 Email: sales@nutrigain.com
Emergency telephone	Tel: 01625 860945 Mon-Fri 8.30-4.30 24hr: 07721 639959

Section 2 – Hazards Identification

Emergency Overview:

ORGANIC GOLD is not expected to be harmful under normal conditions of use.

Potential Health Effects:

Primary Entry Routes: Contact with skin and eyes, inhalation, ingestion.

Acute Effects

Inhalation: May cause irritation of the nose, throat and lungs.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Non toxic cereals and fruit acid salts.

Carcinogenicity: JARC, NTP and OSHA do not list cereal products as a carcinogen.
Fruit acid salts are non carcinogenic.

Medical conditions: Aggravated by long-term exposure not determined.

Section 3 – Composition/Information on ingredients

<u>Ingredient name</u>	<u>CAS Number</u>	<u>% Wt</u>
Raw protein	NA	28
Raw carbohydrate	NA	38-48
Raw fat	NA	3-6
Raw fiber	NA	6-8
Raw ash	NA	5-8
Moisture	NA	10-12

Section 4 – First Aid Measures

Inhalation: If nose, throat or lung irritation exists, remove effected individual to fresh air. If breathing problems worsen, administer artificial respiration and seek immediate medical attention.

Eye Contact: Flush eyes with water. If irritation persists, obtain medical attention.

Skin Contact: Wash with soap & water. If irritation persists, obtain medical attention.

Ingestion: Non toxic.

Section 5 – Fire-Fighting Measures

Flash point: Not determined

Flash Point Method: Not determined

Burning Rate: Not determined

Auto-ignition Temperature: Not determined

LEL: Not determined

UEL: Not determined

Flammability Classification: Not determined

Extinguishing media: Water spray, foam, carbon dioxide, dry chemical.

Unusual fire or Explosion Hazards: None

Hazardous Combustion Products: May include CO, CO2

Fire-fighting instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-fighting equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

Section 6 – Accidental Release Measures

Spill procedure: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Containment is best accomplished by rapid cleanup. Do not release into sewers or waterways.

Cleanup: Dispose of all wastes in accordance with Federal, State and Local regulations.

Regulatory requirements: Follow applicable OSHA regulations (29 CFR 1910.120)

Section 7 – Handling and Storage

Handling Precautions: ORGANIC GOLD should be used only with adequate ventilation to comply with 29 CFR 1910.1048.

Storage Requirements: Keep in a cool, dry area,

Section 8 – Exposure Controls / Personal Protection

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec.2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH- approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning and convenient, sanitary storage areas.

Protective Clothing/ Equipment: Wear protective gloves to avoid prolonged or repeated skin contact. Wear protective safety goggles, per OSHA eye and face protection regulations 29 CFR 1910.133, to prevent possible eye irritation.

Safety Stations: Make emergency eyewash stations and washing facilities available in work area.

Protection Equipment Care: Keep personal protection equipment and clothes clean. Wash equipment with soap and water, and launder clothing after each use.

Comments: Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet or applying cosmetics.

Section 9 – Physical and Chemical Properties

Physical State: Dry, solid granular material.
Appearance and Odor: Dark particles of +/- 2mm in size with cereal odor.
Odor Threshold: Not determined.
Vapor Pressure: Not determined
Vapor Density: (Air=1): 1.0
Density: 500 kg/m³
Specific Gravity (H₂O=1, at 4°C): Not determined
PH: 5.5
Water solubility: 6% maximum carbohydrate solubility in water.
Other solubility's: Not applicable.
Boiling point: Not applicable.
Viscosity: Not applicable.
Refractive index: Not determined.
Surface Tension: Not applicable.
% Volatile: Not determined.
Evaporation Rate: Not applicable.

Section 10 – Stability and Reactivity

Stability: ORGANIC GOLD is stable at room temperature when stored in the sewn, multiwall paper bags or polypropylene bags with a plastic liner commercially provided under normal storage and handling conditions.
Polymerization: Hazardous polymerization has not been observed.
Chemical Incompatibilities: Not determined.

Section 11 – Toxicological Information

Toxicity Data:

Eye Effects: Not determined	Chronic Effects: Not determined
Skin Effects: Not determined	Carcinogenicity: None
Acute Inhalation Effects: Not determined	Mutagenicity: None
Acute Oral Effects: Not determined	Teratogenicity: None

Section 12 – Ecological Information

Not expected to be toxic to the environment

Expected to biodegrade in the environment

None of the components are expected to present a bioaccumulation hazard

No adverse effects known

Section 13 – Disposal Considerations

Disposal: Contact your local authorities or a licensed contractor for detailed recommendations. Follow applicable Federal State and local regulations.

Section 14 – Transport Information

Not classified as Dangerous Goods by the criteria of IATA, IMDB, RID and ADR.

Section 15 – Regulatory Information

All components are listed as existing substances in Europe

A Chemical Safety Assessment has not been carried out for this product

Section 16 – Other Information

Tariff Code: 3101 0000 00

Disclaimer: The information contained in this MSDS was, to the best of our knowledge, accurate and relevant at the time of preparation. Both the manufacturer and distributor cannot anticipate all conditions of handling and use of this product. It is the responsibility of the user to provide a safe work place, using the health and safety information provided herein as a guide. Therefore, NUTRIGAIN Ltd accept no responsibility for results obtained by any use of this information, or with respect to the safety and suitability of the product either alone or in combination with other products.