



SAFETY DATA SHEET
Lutein 70% Powder

1.0 IDENTIFICATION OF THE SUBSTANCE

Product Name: Lutein 70% Powder
HS Code: 13021919
Manufacturer/Supplier: **Matrix Life Science Pvt. Ltd.**
Address: D-8, MIDC Paithan – 431148 Dist. Aurangabad, MS, India.
Website: www.matrixlifescience.com
Emergency Telephone Number: +91 2431-232901 / 02
Email ID: qa@matrixlifescience.com & qc@matrixlifescience.com
Application of the substance: Lutein 70% Powder can be used as an ingredient in Food, Pharma, Feed and Nutraceuticals industry

2.0 HAZARDS IDENTIFICATION

Classification of the substance or mixture: Not classified as hazardous according to the regulatory guidelines of most countries. However, do not breathe dust/fume/gas/vapors/mist/spray. Do not get in eyes/on skin.
Label Elements: The product does not need hazard labeling in accordance with EC directives.
Other Hazards: None.

3.0 COMPOSITION

Substance: This product is a combination of natural Lutein with Zeaxanthin for eye health. This is prepared using eco-friendly process from oleoresin obtained from marigold flowers (*Tagetes erecta* L.).
Chemical Characterization: Lutein 70% and Zeaxanthin 6%
CAS Number: 127-40-2

4.0 FIRST AID MEASURES

Any material that contacts eyes should be washed out immediately with water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist.
Not Classified as a Health hazard, as product is derived from Marigold extract.

5.0 FIRE FIGHTING MEASURES

Extinguishing Media: Carbon Dioxide, Dry Chemical Powder, Foam, and Sand as appropriate
Explosive Limits in Air: Not Established
Auto-ignition Temperature: Not Known
Exposure Hazards: None Known

6.0 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes.
Procedures for Spill/Leak clean up: Sweep up or vacuum the spilled material. Ensure proper ventilation. Place the material in a suitable container and label it for disposal according to local regulations.
Physically clean spill area and dispose off material.

7.0 HANDLING AND STORAGE

Handling: **No special precautionary measures are necessary**
Keep in a tightly closed container. Store at -20°C and under dry conditions and nitrogen blanketing.
Storage: Keep protected from light and heat.
Protect from contamination. Keep away from odorous and toxic substances.
Maximum 35°C and 60% relative humidity.

**SAFETY DATA SHEET**
Lutein 70% Powder**8.0 FIRE HAZARD WHEN WELDING THE EMPTY CONTAINER.****• Exposure Controls And Protection Control**

Exposure Limits:	Not Established.
Respiratory Protection:	Not Required.
Personal Precautions:	Avoid contact with eyes.
Eye Protection:	Use chemical safety goggles and maintain eye wash fountain in work area.
Hand Protection:	Wear protective gloves.

• Special Protective Equipment

Wear self-contained breathing apparatus as well as protective clothing.
Firefighting water must be collected.
No Special equipment required for fire fighters.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Powder
Color:	Light to Dark Orange
Odor:	Characteristic
Flash Point:	NA
Sp.Gravity:	0.3-0.6 g/cm ³
Vapour Pressure:	NA
Solubility:	Insoluble in water (25°C)
Viscosity:	NA
Explosive Properties (Dust only):	NA
Flammability:	NA
Thermal Decomposition:	NA
Boiling point:	NA

10.0 STABILITY AND REACTIVITY

Reactivity:	No Data Available
Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reactions known.
Shelf life:	Minimum of 18 months when kept unopened in the original packaging at temperature not exceeding 95°F (35°C).
Conditions to avoid:	Avoid excessive exposure to light and moisture

11.0 TOXICOLOGICAL INFORMATION

Nontoxic, Substance is used in food stuff, pharmaceutical & cosmetics.	
Acute oral toxicity:	Non Toxic
Skin irritation:	Not Observed
Eye irritation:	Not Observed
Phototoxicity:	Not Observed

12.0 ECOLOGICAL INFORMATION

This material has not been tested for environmental effects.

Disposal Considerations

Discharge, treatment or disposal may be subject to national, state or local laws. Physically clean spill area, use absorbents if required.
Incinerate or dispose off by composting or to approved landfill accordance with the local regulations

13.0 DISPOSAL CONSIDERATIONS**Waste treatment methods:**

Recommendation: Waste disposal according to official state regulations.

Un-cleaned packaging:



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Recommendation: Empty contaminated packaging thoroughly. They may be recycled after thorough and proper cleaning. Packaging that may not be cleansed are to be disposed off in the same manner as the product.

14.0 TRANSPORT INFORMATION

This material is NOT dangerous for air, ground or marine transport. No special considerations required.

AIR (IATA): Not Regulated for Air Transport.

15.0 REGULATORY INFORMATION

This substance is listed on various chemical inventories and is subject to specific regulations in different countries. Please refer to local regulations for detailed information.

16.0 OTHER INFORMATION

Department Issuing MSDS: Quality Control Department.

Contact: +91-2431-232901 / 02

• **Key Literature References And Sources For Data:**

This information has been developed by MLSPL staff from sources considered reliable but has not been independently verified by Matrix life Science Pvt. Ltd.

This information is provided for documentation purpose only. This product is not considered as Hazardous.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product.

Information contained herein is believed to be true and accurate however; all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use there of Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing.

Each aspect of your operation should be examined to determine if or where, additional precautions may be necessary.

All health and safety information contained in this bulletin should be provided to your employees or customers.

• **Disclaimer:**

Recommendations for use and application of the product are given for information purposes. This information is based on current knowledge and provided without warranty. The information believed to be correct. This information should be used to make an independent determination of the methods to safeguard the workers and the environment. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.