

Material Safety Data Sheet (MSDS)

Product Name: Chlorella Extract Powder 10:1

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

1101- City Centre 2,
Science City Road,
Sola Ahmedabad Gujarat,
India - 380060.

Contact No.: +91 97272 88479

Email: info@rawpharmabiz.com

Website: www.rawpharmabiz.com

1. Identification of the Substance/Preparation and Company

Product Name: Chlorella Extract Powder 10:1

Synonyms: Chlorella Vulgaris Extract, Chlorella Powder Extract

Chemical Family: Botanical Extract

Recommended Use: Nutraceuticals, Dietary Supplements, Food Additive, Natural Colorant

Restrictions on Use: Not for medicinal drug formulation without regulatory approval.

2. Hazards Identification

- Not classified as hazardous under normal handling.
- **Potential Health Effects:**
 - Inhalation: May cause mild dust irritation.
 - Skin Contact: Generally non-irritating; sensitive individuals may experience mild irritation.
 - Eye Contact: Dust may cause irritation/redness.

- Ingestion: Considered safe in regulated quantities.
- **GHS Classification:** Not classified
- **Signal Word:** None
- **Hazard Pictogram(s):** None required

3. Composition / Information on Ingredients

Chlorella Extract Powder 10:1 (Chlorella Vulgaris) – 100% Pure Botanical Extract.

No additives, carriers, preservatives, or artificial substances are included.

4. First Aid Measures

- **Inhalation:** Move to fresh air. Rinse mouth. Seek medical attention if irritation persists.
- **Skin Contact:** Wash with water; discontinue use if irritation continues.
- **Eye Contact:** Rinse with clean water for several minutes. Remove contact lenses if present.
- **Ingestion:** Rinse mouth; drink water. Seek medical attention if discomfort occurs.

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical powder, CO₂, foam.
- **Fire/Explosion Hazards:** Dust may form combustible mixtures with air.
- **Protective Equipment:** Firefighters should wear protective clothing and self-contained breathing apparatus.

6. Accidental Release Measures

- Avoid dust formation.
- Sweep or vacuum without generating dust.
- Dispose of in accordance with local regulations.
- Use protective mask and gloves if handling large quantities.

7. Handling and Storage

- **Handling:** Avoid dust inhalation; handle in well-ventilated areas.
 - **Storage:**
 - Store in a cool, dry place away from sunlight.
 - Keep container tightly closed.
 - Recommended storage temperature: < 25°C.
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8. Exposure Controls / Personal Protection

- **Exposure Limits:** Not established.
 - **Personal Protection:**
 - Respiratory: Dust mask recommended.
 - Eye: Safety goggles.
 - Skin: Gloves (optional).
 - **Ventilation:** Ensure adequate ventilation during large-scale handling.
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9. Physical and Chemical Properties

- **Appearance:** Green to dark green fine powder
 - **Odor:** Characteristic
 - **Solubility:** Partially soluble in water
 - **Bulk Density:** 0.50 – 0.70 g/mL
 - **pH (5% solution):** 6.0 – 7.5
 - **Boiling Point:** Not applicable
 - **Melting Point:** Not applicable
 - **Flash Point:** Not applicable
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10. Stability and Reactivity

- **Stability:** Stable under recommended conditions.

- **Conditions to Avoid:** Heat, moisture, direct sunlight.
 - **Incompatible Materials:** Strong oxidizing agents.
 - **Hazardous Decomposition:** None known.
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11. Toxicological Information

- **Acute Toxicity:** No known toxicity at normal use levels.
 - **Skin & Eye Irritation:** Mild dust irritation possible.
 - **Carcinogenicity:** Not classified as carcinogenic.
 - **Sensitization:** Rare allergic reactions possible in sensitive individuals.
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12. Ecological Information

- **Eco-Toxicity:** Not expected to be hazardous to the environment.
 - **Biodegradability:** Biodegradable natural product.
 - **Bioaccumulation:** Not expected.
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13. Disposal Considerations

- Dispose according to local, state, and federal regulations.
 - Avoid releasing large quantities into drains or waterways.
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14. Transport Information (DETAILED)

UN Number: Not applicable

UN Proper Shipping Name: Not regulated as a hazardous material

Transport Hazard Class(es): Not applicable

Packing Group: Not applicable

Environmental Hazards: Not considered a marine or environmental pollutant

Transport by Road (ADR/RID):

- Not classified as dangerous goods.
- No special safety or labeling required.

- Product should be transported in sealed, food-grade containers to prevent contamination.

Transport by Air (ICAO/IATA):

- Not regulated as dangerous goods.
- Can be transported safely under general cargo conditions.
- Ensure moisture-proof packaging to maintain stability.

Transport by Sea (IMDG):

- Not regulated under IMDG Code.
- Protect from humidity and high temperatures during marine transport.
- Store containers away from heat sources.

Special Precautions for Transport:

- Use sealed packaging to prevent dust dispersion.
- Avoid exposure to moisture during loading/unloading.
- Handle gently to avoid breaking bags or containers.

15. Regulatory Information

- This product complies with general safety regulations for botanical extracts.
- Not classified as hazardous under GHS, REACH, or FDA/food-use norms (depending on region).

16. Other Information

Disclaimer:

The information provided in this MSDS is believed to be correct at the time of publication. It is intended only as guidance for safe handling, storage, use, and transportation.

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