

Material Safety Data Sheet (MSDS)

Product Name: Chamomile Extract 20:1

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Identification of the Substance/Preparation and Company

Product Name: Chamomile Extract 20:1

Synonyms: Matricaria recutita Extract, Chamomile Flower Extract

Recommended Use: Used in pharmaceuticals, cosmetics, herbal formulations, nutraceuticals, and food supplements.

2. Hazard Identification

- **Classification:** Not classified as hazardous according to GHS.
- **Hazard Statements:** Not applicable.
- **Precautionary Statements:** Avoid inhalation of dust and contact with eyes; use in a well-ventilated area.
- **Emergency Overview:** Fine light brown to tan powder with characteristic herbal odor.

3. Composition / Information on Ingredients

Product Type: Natural plant extract

Botanical Source: *Matricaria recutita* (Chamomile Flower)

Active Constituents: Apigenin, Flavonoids, and Bisabolol

Concentration Ratio: 20:1 Extract

CAS Number: Not applicable (mixture of natural plant-derived compounds)

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if irritation persists.
 - **Skin Contact:** Wash thoroughly with soap and water.
 - **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes.
 - **Ingestion:** Rinse mouth and drink water. Seek medical advice if discomfort continues.
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5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, carbon dioxide, foam.
 - **Unsuitable Media:** None known.
 - **Specific Hazards:** Combustible organic powder; may form explosive dust-air mixtures.
 - **Protective Equipment:** Wear self-contained breathing apparatus and full protective gear.
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6. Accidental Release Measures

Avoid dust formation. Sweep up or vacuum material carefully and place into suitable containers. Clean the area with water. Use protective equipment such as a mask, gloves, and goggles.

7. Handling and Storage

Avoid breathing dust and use in well-ventilated areas. Store in a cool, dry, and well-ventilated location away from heat and direct sunlight. Keep the container tightly closed when not in use. Shelf life is approximately 24 months under recommended conditions.

8. Exposure Controls / Personal Protection

Provide adequate ventilation during use. Use a dust mask to prevent inhalation, wear safety glasses to protect eyes, and gloves or protective clothing to avoid skin contact. Wash hands thoroughly after handling.

9. Physical and Chemical Properties

Chamomile Extract 20:1 appears as a light brown to tan powder with a characteristic herbal odor. It is partially soluble in water and soluble in ethanol. The product has a bulk density of approximately 0.45 to 0.65 g/cm³ and a pH (1% solution) between 4.0 and 6.0. It has no defined melting or boiling point as it is a plant-derived powder. The flash point is greater than 150°C, and the product remains stable under normal storage and handling conditions.

10. Stability and Reactivity

Chamomile Extract 20:1 is stable under recommended storage conditions. Avoid exposure to excessive heat, moisture, and direct sunlight. Incompatible with strong oxidizing agents. Hazardous decomposition products may include carbon monoxide and carbon dioxide under fire conditions.

11. Toxicological Information

Non-toxic at recommended usage levels. Not expected to cause skin irritation, though mild transient eye irritation may occur. Safe for ingestion in moderate quantities. Not listed as carcinogenic by any regulatory authority.

12. Ecological Information

Not expected to be harmful to the environment. The extract is biodegradable and shows no potential for bioaccumulation. Mobility in soil is low.

13. Disposal Considerations

Dispose of the product in accordance with local, regional, and national environmental regulations. Avoid discharge into waterways. The product is biodegradable and can be disposed of with general waste if uncontaminated.

14. Transport Information (Detailed)

UN Number: Not regulated

UN Proper Shipping Name: Chamomile Extract 20:1 (Natural Plant Extract, Non-Hazardous)

Transport Hazard Class: Not applicable

Packing Group: Not applicable

Environmental Hazards: Not classified as an environmental hazard

Special Precautions for User: Avoid creating dust during handling and loading. Ensure packaging is tightly sealed and protected from moisture.

Transport in Bulk (Annex II of MARPOL 73/78 and IBC Code): Not applicable

Mode-wise Guidance:

- **By Road (ADR/RID):** Not regulated as hazardous.
- **By Air (IATA):** Non-hazardous; pack securely in moisture-proof containers.
- **By Sea (IMDG):** Non-dangerous goods; store in dry area away from strong odors or contaminants.
- **By Rail:** Non-regulated.

Labeling Requirements: No specific hazard label required.

Additional Information: Product should be transported in sealed, labeled containers. Avoid exposure to direct sunlight, rain, or excessive humidity during transit.

15. Regulatory Information

Complies with international regulations such as REACH (EC No. 1907/2006) and Indian FSSAI/AYUSH standards for herbal extracts. Not classified as hazardous under GHS guidelines.

16. Other Information

Disclaimer:

The information provided in this MSDS is accurate and reliable to the best of our knowledge as of the revision date. However, no warranty or guarantee, express or implied, is made regarding

its accuracy or completeness. Users are advised to make their own determination of safety and suitability for their specific purposes.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.