



Plant's Power Inc  
3-2700 St.Clair Ave west  
Toronto, Ontario, M6N 1M2  
Contact: 1-416-766-1254

## Material Safety Data Sheet Chamomile Oil, German

### Section 1: Product and Company Identification

Product Name: Chamomile Oil, German

Botanical Name: *Matricaria chamomila* L.

INCI Name: Chamomilla Recutita Flower Extract

CAS#: 84082-60-0/8002-66-2

EINECS#: 282-006-5

FEMA: 2275

Country of Origin: Nepal

Synonym: *Matricaria recutita* L. Blue Chamomile Oil

### Contact information:

Plant's Power Inc 3-2700 St.Clair Ave west Toronto, Ontario M6N 1M2 Contact: 1-416-766-1254 <a href="http://www.PlantPower.ca">http://www.PlantPower.ca</a> <a href="mailto:contactus@plantpower.ca">contactus@plantpower.ca</a>	24 HOUR EMERGENCY TELEPHONE NUMBER: (647)-427-4480
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### Section 2: Composition and Information on Ingredients

Composition: The volatile essential oil steam distilled from the partially dried flowering heads of *Matricaria recutita* (syn. *Chamomilla recutita*)

% by weight: 100%

Contents: trans- $\beta$ -Farnesene, Germacrene-D,  $\alpha$ -Farnesene, Bisabolol oxide A, Chamazulene

Toxicological Data: None

### Section 3: Hazards Identification



Classification according to Regulation (EC) No. 1272/2008

Xn: Harmful to aquatic environmental.

R52/53: Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

R65: Harmful, may cause lungs damage if swallowed.

### Section 4: First Aid Measures

Eye Contact: Do not try to remove any contact lenses unless trained and immediately flush affected eye with plenty of water for at least 15 minutes ensuring irrigation under eyelids and get medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash clothes and shoes before reuse. Immediately flush skin with plenty of water and soap for 15 minutes and get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Drink water slowly (as much as casualty can comfortably drink in conscious state). Never give anything by mouth to an unconscious person. Never give anything to a person showing signs of reduced awareness or is being slowly unconscious. Contact physician or local poison centre immediately. If vomiting occurs, lean patient forward to maintain open airway and prevent aspiration.

Advice to Doctor: Treat symptomatically; not the nature of the product.

### Section 5: Fire and Explosion Data

Products of Combustion: Oxides of carbon.

Fire Hazards in Presence of Various Substances: Not available.

Special Remarks on Fire Hazards: Not available.

Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils.

Extinguishing Media:	Carbon Dioxide, dry chemical or foam. Closed containers may build up pressure at elevated temperature.
Special Procedure:	Determine the need to evacuate or isolate the area according to your local emergency plan.
Unsuitable Extinguishing Products:	Water spray; others not established.

## Section 6: Accidental Release Measures

Small Spill:	Absorb with an inert dry material and place in an appropriate waste disposal container.
Large Spill:	Keep away this combustible material from heat and source of ignition, stop the leak if it can be done without risk. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.
Personal Protection:	Use of self-contained breathing apparatus is recommended for any major chemical spill. Avoid inhalation and direct contact with skin and eyes.
Safety Precaution:	Eliminate all ignition sources. Ventilate the area. Determine the need to evacuate or isolate the area according to your local emergency plan.
Environmental Precaution:	Keep away from drains, surface and ground water. Report spills to appropriate authorities if required.
Methods for Cleaning/Disposal:	Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent material. Wipe small spills with cloth. Clean with hot water and detergent.

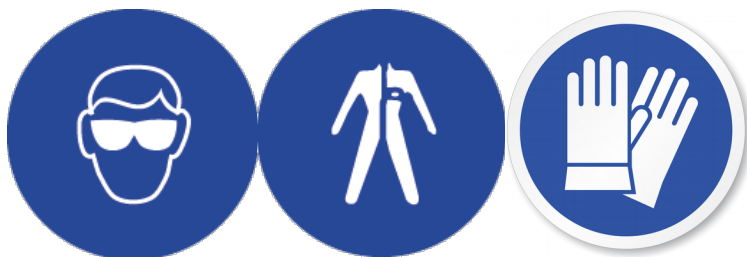
## Section 7: Handling and Storage

Handling and Precautions:	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas, fumes, vapours, and spray. Apply good manufacturing practice. Wear suitable protective clothing and maintain good personal hygiene practices. Wash hand after any contact with the container. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
Storage:	Keep in a cool, well-ventilated area protected from light and extreme heat. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition. Store in stainless steel drums or aluminum containers or HDPE containers. For short term storage only steel drum lined with epoxy phenolic can be used.
Specific Procedures:	Protect against electrostatic charges; others not established.

## Section 8: Exposure Controls/Personal Protection

Exposure Limits::	There is a blanket recommendation of 10mg/m <sup>3</sup> for inspirable dusts or
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Engineering Controls:	mists when limits have not otherwise been established. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection:	Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill:	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Respiratory Protection:	Not generally required. Used approved/certified respirator in confined areas or if ventilation is inadequate.
Hand Protection:	Use of chemical resistant gloves is recommended.
Eye Protection:	Use of goggles or face shield is recommended.
Protective Clothing and Equipment:	Use of chemical resistance clothing is recommended along with eye wash fountain and safety shower in the working area.



Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require additional precautions.

## Section 9: Physical and Chemical Properties

Physical state and appearance:	Mobile Clear Liquid
Odour:	Characteristic
Color:	Ink blue to dark green, browner on long term storage
Specific Gravity:	0.8995 – 0.9035 at 25°C
Refractive Index:	Not available
Optical Rotation:	Not available
Flash Point:	99°C
Initial Boiling Point:	100°C
Melting Point:	Not available
Acid Value:	2.9 – 13.7
Ester Value:	6.2 – 15

Ester Value after Acetylating:	60 – 105
Flammability:	Not available
Solubility:	Insoluble in water

## Section 10: Stability and Reactivity Data

Stability:	Chemically stable, hazardous material. When stored for more than 12 months quality should be checked before use.
Reactivity:	It presents no significant reactivity hazards by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.
Conditions of Instability:	Not established.
Polymerization:	Will not occur.
Flammability:	Combustible Liquid.
Special Remarks on Corrosivity:	Not available.
Special Remarks on Reactivity:	Not available.
Hazardous Combustion:	Carbon monoxide and unidentified organic compounds may be formed during combustion.
Materials to Avoid:	Strong acids, strong alkalis and oxidizing agents.

## Section 11: Toxicological Information

Routes of Entry:	Eye contact, inhalation, ingestion and skin contact.
Acute oral toxicity:	(LD50): 5000mg/kg (this product is not intended for oral use)
Acute dermal toxicity:	(LD50): >5000mg/kg
Acute inhalation toxicity:	(LC50): 0.027mg/cm <sup>3</sup> or 27mg/l
Chronic Effects on Humans:	Not identified

## Section 12: Ecological Information

Ecotoxicity:	Not established, avoid pollution to soil and water bodies.
Mobility:	Low mobility in soil.
Bioaccumulative Potential:	Not established.
Products of Biodegradation:	Low persistent level and readily biodegradable.
Bioaccumulative Potential:	Not established.

## Section 13: Disposal Considerations

Waste Disposal:	Place material or absorbent into sealed containers. Waste must be
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disposed of in accordance with federal, state and local environmental control regulations. Do not use empty containers.

Contaminated Packaging: Dispose of in accordance with current application laws and regulations.  
Empty Container Disposal: Empty containers can have residues, gases and mists. Use the proper waste disposal methods and procedures for empty containers as well and do not reuse empty containers.

## Section 14: Transport Information

UN1169: Applies  
Road (ADR/RID): Class 3 Packing group III  
Air (IATA/ICAO): Class 3 Packing group III  
Sea (IMDG): Class 3 Packing group III  
CHIP: See section 15

## Section 15: Other Regulatory Information

Federal and State Regulations: Not available.  
Other Regulations: Not available.

Safety Directions: Avoid contact with eyes. Wear eye protection when mixing or using. Avoid contact with skin wear protection gloves when mixing or using. Wash hands after use. No smoking. Store under cover in a dry, clean, cool, well-ventilated place away from sunlight. Keep away from heat, sparks, and naked flames. Avoid contact with food.

Protective Equipment: Gloves, lab coat, vapour respirator (use approved/certified respirator or equivalent). Wear appropriate respirator when ventilation is inadequate and use splash goggles.

Hazards: Harmful, Dangerous for the environment.

Symbols: Xn



Risk Phrases:

R10 Flammable Liquid.  
R43 May cause sensitization by skin contact.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.

**Safety Phrases:**

- S16 Keep away from sources of ignition.  
S24 Avoid contact with skin.  
S37 Wear suitable gloves.  
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.  
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Cosmetics Directive 7<sup>th</sup> amendment: Restrictions may apply. A source of Limonene and Linalool, listed as sensitizers. Check maximum usage levels for skin care products.

**Section 16: Other Information**

Suitable Packing: Glass, Lacquer lined steel/tin, Aluminum, HPPE, F/HDPE and other plastic

Shelf Life: When stored within advised conditions re-test after 12 months then at 3 monthly intervals, up to a maximum of 36 months.

**Disclaimer:**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Plant's Power be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Plant's Power has been advised of the possibility of such damages.

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