

MATERIAL SAFETY DATA SHEET (MSDS) – GERMAGIC Thyme MAP1-Pro

1. IDENTIFICATION

PRODUCT IDENTIFIER:

PRODUCT NAME: GERMAGIC Thyme MAP1-Pro
BRAND: GERMAGIC
PRODUCT CODE: MAP1-Pro, GMTP

IDENTIFIED USES: Antimicrobial Coating

SUPPLIER INFORMATION:

COMPANY NAME: CHIAPHUA INDUSTRIES LIMITED
ADDRESS: UNIT A, 2/F, CHIAPHUA INDUSTRIES BUILDING,
NOS. 8-10 SIU LEK YUEN ROAD,
SHA TIN, NEW TERRITORIES
HONG KONG
EMERGENCY TELEPHONE NUMBER: (+852) 2686-6270

2. HAZARD(S) IDENTIFICATION

Critical Hazards to man and the environment: **None Identified.**

Hazard Class	Classification
Explosive	Non-explosive
Flammable gases	Inappropriate
Aerosols	Inappropriate
Oxidization gases	Inappropriate
Gases under pressure	Inappropriate
Flammable liquids	Negative
Flammable solids	Inappropriate
Self-reactive substances and mixture	Negative
Pyrophoric liquids	Negative
Pyrophoric solids	Inappropriate
Self-heating substances and mixtures	Negative
Substances and mixtures which in contact water, emit flammable gases	Negative
Oxidizing liquids	Negative
Oxidizing solids	Inappropriate
Organic peroxides	Negative
Corrosive to metals	Negative

3. COMPOSITION

DESCRIPTION: Mixture of substances below with Proprietary and Non-Hazardous Inert Ingredients.

INGREDIENTS:	CAS NO.	%w/v	PEL-OSHA	TLV-ACGIH
Thyme Essential Oil	8007-46-3	0.072-0.088	None Established	None Established
Polyethylenimine	9002-98-6	0.058-0.070	None Established	None Established
Polyhexanide	32289-58-0	0.007-0.009	None Established	None Established
Water	7732-18-5	q.s.	None Established	None Established

4. FIRST-AID MEASURES

EYE CONTACT: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

SKIN CONTACT: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

INGESTION: Rinse mouth. If SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray or fog.
Foam.

SPECIAL HAZARDS ARISING FROM THE SUBSTRATE OR MIXTURE

FIRE INCOMPATIBILITY: None known.

FIRE FIGHTING: Alert Fire Brigade and tell them location and nature of hazard.
Wear full body protective clothing with breathing apparatus.

FIRE/EXPLOSION HAZARD: Non-combustible.
Not considered a significant fire risk, however containers may burn.

6. ACCIDENTAL RELEASE MEASURES

SPILL: **Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal. **Large Spill:** Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Dike if needed.

7. HANDLING AND STORAGE

HANDLING: No special precautions necessary. Observe good housekeeping practice. Keep workplace well ventilated.

STORAGE: Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION SYSTEM: General; local exhaust ventilation as necessary to control any air contaminants to within their PELs or TLVs during the use of this product.

SKIN PROTECTION: Body protection as necessary to prevent skin contact.

PROTECTIVE GLOVES: Rubber or neoprene gloves.

9. PHYSICAL DATA

APPEARANCE:	Milky solution	ODOUR:	Characteristic thyme odour
PH VALUE:	10.5	DENSITY:	0.959g/ml
FLASH POINT:	>98°C (Boiling)	USES:	Disinfection, Coating
SOLUBILITY:	N/A	LOG OCTANOL/WATER COEFF:	N/A
SPECIFIC GRAVITY (Water = 1):	N/A	SPECIFIC GRAVITY (Air = 1):	N/A
MELTING POINT (°C):	N/A	BOILING POINT (°C):	>98°C
CRITICAL TEMPERATURE:	N/A	CRITICAL PRESSURE:	N/A
DECOMPOSITION HEAT:	N/A	COMBUSTION HEAT:	N/A

10. STABILITY AND REACTIVITY

INCOMPATIBLE MATERIALS: *Not Applicable*

STABILITY: Product is stable.

POLYMERIZATION: *Not Applicable*

DECOMPOSITION PRODUCTS: No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Health Hazards	Classification
Acute toxicity (Oral)	Not classified in this category
Acute toxicity (Dermal)	Not classified in this category
Acute toxicity (Inhalation)	Not classified in this category
Skin corrosion/irritation	Not classified in this category
Serious eye damage/eye irritation	Not classified in this category
Respiratory or skin sensitization	Not classified in this category
Germ cell mutagenicity	Not classified in this category
Carcinogenicity	Not classified in this category
Reproductive toxicity	Not classified in this category
Specific target organ toxicity – Single exposure	Not classified in this category
Specific target organ toxicity – Repeat exposure	Not classified in this category
Aspiration hazard	Not classified in this category

12. ECOLOGICAL INFORMATION

Environmental Hazards	Classification
Hazardous to the aquatic environment	Not classified in this category
Hazardous to the ozone layer	Not classified in this category

13. DISPOSAL CONSIDERATIONS

DISPOSAL: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORTATION

UN NUMBER (ADR/RID):	<i>Not Regulated</i>
UN NUMBER (IMDG):	<i>Not Regulated</i>
UN NUMBER (IATA):	<i>Not Regulated</i>
UN PROPER SHIPPING NAME (ADR/RID):	<i>Not Dangerous Goods</i>
UN PROPER SHIPPING NAME (IMDG):	<i>Not Dangerous Goods</i>
UN PROPER SHIPPING NAME (IATA):	<i>Not Dangerous Goods</i>
TRANSPORT HAZARD CLASS(ES) (ADR/RID):	<i>Not Regulated</i>
TRANSPORT HAZARD CLASS(ES) (IMDG):	<i>Not Regulated</i>
TRANSPORT HAZARD CLASS(ES) (IATA):	<i>Not Regulated</i>
ENVIRONMENTAL HAZARDS (ADR/RID):	<i>No</i>
ENVIRONMENTAL HAZARDS (IMDG Marine Pollutant):	<i>No</i>
ENVIRONMENTAL HAZARDS (IATA):	<i>No</i>
SPECIAL PRECAUTIONS FOR USES:	<i>No Data Available</i>
DOT Classification:	<i>Not Controlled Material</i>

15. REGULATORY INFORMATION

Classified as Non-DG under:

- (1) Chemical Classification and Labeling Specification (GB 30000.2-GB 30000.29);
- (2) Hazardous Chemicals Directory (2015th); and
- (3) List of dangerous goods (GB 12268-2012)

Consult the public authorities for any applicable state and local regulations.

16. OTHER INFORMATION

The information given here is to the best of our knowledge true and accurate and is provided solely for making safety assessments. It is not a sales specification or an indication of suitability for a particular use.
