

## MATERIAL SAFETY DATA SHEET

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PHONE: 2686-6270  
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REPLACES: 02-03-2020

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### IDENTIFICATION

**PRODUCT NAME:** GERMAGIC Thyme Antimicrobial Coating MAP1-Pro  
**PRODUCT CODE:** MAP1-Pro, GMTPD  
**COMPOSITION:** Solution

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### COMPOSITION

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

INGREDIENTS:	CAS NO.	%Wt.	PEL-OSHA	TLV-ACGIH
Thyme Essential Oil	8007-46-3	0.056-0.069	None Established	None Established
Polyethylenimine	9002-98-6	0.045-0.055	None Established	None Established
Polyhexanide	32289-58-0	0.006-0.007	None Established	None Established
Water	7732-18-5	q.s.	None Established	None Established

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### PHYSICAL DATA

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

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### FIRE AND EXPLOSION DATA

**FLAMMABILITY:** *Not Applicable*

**EXTINGUISHING MEDIA:** Use alcohol resistant foam, carbon dioxide, dry chemical powder and dry sand. Spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** *Not Applicable*

**NFPA HAZARD RATING:** *Not Available*

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## HEALTH & HAZARD DATA

<b>Hazard Class</b>	<b>Classification</b>
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
<b>Health Hazards</b>	<b>Classification</b>
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 organotoxicity – Single exposure	Not classified in this category
Specific target organotoxicity – Repeat exposure	Not classified in this category
Aspiration hazard	Not classified in this category
<b>Environmental Hazards</b>	<b>Classification</b>
Hazardous to the aquatic environment	Not classified in this category
Hazardous to the ozone layer	Not classified in this category

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## EMERGENCY & FIRST AID PROCEDURES

**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.

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## 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.

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## SPECIAL PROTECTION INFORMATION

**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.

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## REACTIVITY DATA

**INCOMPATIBLE MATERIALS:** *Not Applicable*

**STABILITY:** Product is stable.

**POLYMERIZATION:** *Not Applicable*

**DECOMPOSITION PRODUCTS:** No hazardous decomposition products are known.

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## SPILL OR DISPOSAL PROCEDURES

**SPILL:** **Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal. **Large Spill:** Flammable liquid, insoluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

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

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## TRANSPORTATION

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

### Classified as Non-DG under:

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

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

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## 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 all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers.

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