

SAFETY DATA SHEET

Issue date: 05/14/2025
 Revision: 06/19/2026

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
Product Identifier	MaTri Powder	
Other Means or Identification	EPA Reg. No. 93837-3	
Relevant identified uses of the substance or mixture and uses advised against	Identified uses: Plant protection product – growth regulator in form of powder that when dissolved in water secretes vapors of 1-methylcyclopropene (1-MCP). Intended for improvement of storage stability of fruits, vegetables and cut flowers.	
Product Restrictions	For Agriculture Use Only	
Details of the supplier of the safety data sheet	Fresh Inset Solutions Inc. 119 S. Court Avenue Suite 201 Memphis, TN 38103 Phone: (267) 808-0540	
Emergency telephone number	CHEMTREC 1-800-424-9300 (24 hours)	
SECTION 2: Hazards identification		
Classification of the substance or mixture		
<p>Classification according to OSHA Hazard Communication Standard, 29 CFR 1910.1200 As supplied, this product is not classified as hazardous under the OSHA Hazard Communication Standard, 29 CFR 1910.1200. When mixed with or exposed to water, the product releases 1-methylcyclopropene (1-MCP) vapors. 1-MCP is classified as hazardous under the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Avoid inhalation of vapors generated during activation and use.</p>		
Label elements		
Class/Category:	Not classified	
Hazards Not Otherwise Classified:	None known	
Signal word:	None	
Symbol(s):	None	
Hazard statements:	None assigned	
Precautionary statements:	Wear protective gloves/protective clothing/eye protection/face protection IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	
SECTION 3: Composition/information on ingredients		
Ingredient	Identifier	% weight
1-Methyl-cyclopropene	CAS: 3100-04-7	3.3
SECTION 4: First aid measures		
General recommendations		

Avoid contamination of skin, eyes and clothing. In case of exposure immediately remove all contaminated clothing. Take off contaminated clothing and wash before reuse. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

Inhalation

Move person to fresh air and keep comfortable for breathing.

Ingestion

Do not induce vomiting unless specifically advised by a doctor. Wash mouth with water. Do not administer anything orally if the victim is unconscious.

Eye contact

Wash immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If eye irritation persists: Get medical advice/attention.

Skin contact

If skin irritation occurs: Get medical advice/attention.

Most important symptoms and effects, both acute and delayed

The product is characterized by low acute toxicity. May cause skin or eye irritation. Vapors may cause irritation.

Indication of any immediate medical attention and special treatment needed

The decision on how to proceed made by a doctor after examination of the injured.

Antidote: none

Treat symptomatically.

SECTION 5: Firefighting measures

General recommendations:

Remove from the area all unauthorized personnel and persons not participating in elimination of the fire. Eliminate sources of ignition, do not smoke. If necessary call the Fire Service.

Extinguishing media

Appropriate media:

Foam, dry chemicals, carbon dioxide, sand or earth; if necessary use water spray. Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable media:

High-volume water jet. In contact with the product, a direct stream of water can generate dusts that in high concentrations can form explosive mixtures with air.

Special hazards arising from the substance or mixture

During fire dangerous gases may be evolved: carbon oxides (COx), nitrogen oxides (NOx), hydrogen chloride gas. Exposure to products of combustion may be a health hazard. Do not breathe fumes, gases or vapor.

Advice for firefighters

Use full protective clothing and a self-contained breathing apparatus. Isolate the exposed area. Isolate the water used for elimination of fire, do not allow it to enter sewers. Containers exposed to fire with water spray.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective measures – protective clothing, protective gloves, face shield. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Dismiss unauthorized personnel not wearing protective equipment. Avoid contact with spilled or released material. Restrict access to the affected area until the cleanup is complete.

Environmental precautions

Do not empty into drains. Do not allow the product to enter sewers, ditches or waterways. Use appropriate containment to avoid environmental contamination. In the case of environmental contamination notify the relevant services.

Methods and material for containment and cleaning up

Small spillage

Collect immediately mechanically or by vacuum and place in appropriate waste container then place to a labeled waste container.

Large spillage

Avoid formation of dust. Isolate the spillage area. Collect with an electrically secured vacuum or wet sweep and place in appropriate waste container. For proper cleanup wash the spillage area with plenty of water.

Reference to other sections

See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

Precautions for safe handling

Follow the Occupational Safety and Health rules and regulations on handling chemicals.
Use personal protective measures listed in Section 8.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wash hands before every break and after work.
Work only in well-ventilated rooms.
Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Store only in original containers, tightly closed in a dry, well-ventilated place at temperature not lower than 0 °C and not exceeding 30 °C.
Store in a place inaccessible to unauthorized personnel.
Keep away from children and animals.
Do not store with food, drink or animal foodstuffs.
Store away from heat and hot surfaces.

SECTION 8: Exposure controls/Personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace

Substance	CAS	Workplace exposure limit				Notation
		Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15 minute reference period)		
		ppm	mg×m ⁻³	ppm	mg×m ⁻³	
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Exposure controls

Appropriate engineering controls

The need for and selection of appropriate security measures should take into account the type of threat posed by the product, workplace conditions and the treatment of the product.

Personal protective equipment

Eye protection

Tight-fitting goggles and face shield (type goggles, e.g. EN 166)

Skin protection

Hand protection

Protective gloves recommended for handling chemicals (EN 374 e.g. nitrile rubber (0.4 mm), chloroprene rubber (0,5 mm), butyl rubber (0.7 mm)).

Body Protection

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, gas-tight and resistant to chemical-protection suit (according to EN 14605)

Respiratory protection

Avoid breathing vapor of the product or the prepared spray mixture; in case of insufficient ventilation wear breathing masks with appropriate filters or a self-contained breathing apparatus (filter with medium efficiency for solid and liquid particles e.g. EN 143 or 149, Type P2 I FFP2).

Thermal hazards

Not applicable.

Environmental exposure controls

Do not empty into drains. Use containers to prevent the uncontrolled release into the environment of concentrate.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Powder, solid
Appearance/Color:	White
Odor:	Odorless
Melting point/freezing point:	Not available
Boiling point or initial boiling point and boiling range:	Not applicable
Flammability:	Not applicable
Lower and upper explosion limit:	Not applicable
Flash point:	Not applicable
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	5.7 (1% solution)
Kinematic viscosity:	No data available
Solubility:	No data available
Partition coefficient n-octanol/water (log value):	No data available
Vapour pressure:	Not applicable
Density and/or relative density:	0.50 g/mL (bulk density)
Relative vapour density:	No data available
Particle characteristics:	No data available

SECTION 10: Stability and reactivity

Reactivity

Not reactive if used according to specifications.

Chemical stability

Under normal storage and use of the substance is chemically stable.

Possibility of hazardous reactions

Hazardous reactions, including hazardous polymerization, do not take place.

Conditions to avoid

Avoid temperatures beyond the recommended storage range. Protect from direct sunlight.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous reactions will not occur.

SECTION 11: Toxicological information

Likely routes of exposure

Oral or dermal

Symptoms	
Inhalation:	No data available
Eye:	No data available
Skin:	No data available
Ingestion:	No data available
Acute toxicity	
Acute oral toxicity (rat): (1-MCP): LD50 > 5000 mg/kg, HSDB	
Acute inhalation toxicity (rat): (1-MCP): LC50/4h > 2.5 mg/l	
Acute dermal toxicity (rabbit): (1-MCP): LD50 > 2000 mg/kg, HSDB	
Skin corrosion/irritation	
Based on available data, non-irritant.	
Serious eye damage/irritation	
Based on available data, non-irritant.	
Respiratory or skin sensitisation	
Based on available data, non-sensitizing.	
Germ cell mutagenicity	
No evidence of mutagenic effects.	
Carcinogenicity	
No evidence of carcinogenic effects.	
Reproductive toxicity	
This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity – single exposure	
Not classified.	
Specific target organ toxicity – repeated exposure	
Not classified.	
Aspiration hazard	
Material does not present an aspiration hazard.	
SECTION 12: Ecological information	
Ecotoxicity	
The product is not classified as environmentally hazardous. However this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.	
Persistence and degradability	
No data	
Bioaccumulative potential	
No data	
Mobility in soil	
No data available	
Other adverse effects	
No data	
SECTION 13: Disposal considerations	
Waste treatment methods	
Dispose of in accordance with current regulations.	
Do not empty into drains. Do not contaminate surface waters (ponds, water ways, ditches).	
Disposal should be made in accordance with applicable regional, national and local regulations.	
Disposal of containers	
Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.	
Dispose of empty outer foil package in trash.	
SECTION 14: Transport information	
UN number or ID number	Not applicable

UN proper shipping name	Not applicable
Hazard class	Not applicable
Packing group	Not applicable
Marine pollutant	Not applicable
U. S. Department of Transportation (DOT)	Not regulated as dangerous goods.

SECTION 15: Regulatory information

OSHA Hazard Communication Standard As supplied, this product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200). However, in contact with water, the product will release the active ingredient, 1-methylcyclopropene, which is classified as hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

United States TSCA Inventory (TSCA) This product contains chemical substance(s) exempt from U.S. EPA TSCA Inventory requirements. It is regulated as a pesticide subject to Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) requirements.

This product is a pesticide product subject to regulation by the U.S. Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). It is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard communication information required for safety data sheets, and from workplace labeling requirements for non-pesticide chemicals. The following hazard information is provided to reflect the pesticide label language:

PRECAUTIONARY STATEMENTS
 KEEP OUT OF REACH OF CHILDREN

CAUTION:
 Causes slight eye irritation
 Harmful if absorbed through skin
 Harmful if inhaled
 Harmful if swallowed

SARA: No reportable components
 CERCLA: Not listed
 TSCA: Not regulated

SECTION 16: Other information

This SDS is based on the original SDS issued by Synthex Technologies Sp. z o.o. on 11/28/2022 and updated to reflect the distribution and responsibilities of Fresh Inset Solutions Inc.

The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, Fresh Inset Solutions Inc. extends no warranties, makes no representations, and assumes no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, Fresh Inset Solutions Inc. does not represent or guarantee that this information or product may be used without infringing the intellectual property rights of others. It is the users' own responsibility to determine the suitability of this information for their own particular use of this product.

This Safety Data Sheet (SDS) may provide more information than the product label but does not replace or modify the product labeling (attached to and accompanying the product container). The product SDS and the product label both provide consistent and important health, safety, and



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environmental information as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom").

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