

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: FreshVue™ Pods **EPA Reg#** 64864-78
Product Code: 10595
Product Use: A postharvest ethylene management tool to extend shelf life of fruits.
Product Restrictions: For Agriculture Use Only
Manufacturer/Importer/Supplier/Distributor information
Manufacturer: Synthex Technologies SP.z o.o.
Address: Gagarina 7/134B, 87-100 Toruń, Poland
Phone Number: +48 56 623 86 86; www.synthex.com.pl
VAT ID: PL-956-22-99-641
Medical Emergency Phone Number: 888-271-4649 (PROPHARM)
Transportation Emergency Phone Number: 800-424-9300 (CHEMTREC)
Supplier: Pace International, LLC
Address: 5661 Branch Road, Wapato, WA 98951
Phone Number: 800-936-6750 (Monday-Friday, 7:00 a.m. – 4:00 p.m.)

2. HAZARDS IDENTIFICATION

GHS Classification in accordance with 29 CFR 1910 (2012 OSHA Hazard Communication Standard)
 This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification: Physical Hazards. Combustible dusts, Category 1
 Health Hazards, Not classified.
 Environmental Hazards, Not classified.
Hazard Symbols: None
Signal Word: WARNING
Hazard Statements: May form combustible dust concentrations in air.
Other Hazards: None known.
Hazard(s) not otherwise classified (HNOC): None known.
Supplemental information: This is a registered EPA product.
 US: Exempt – EPA Reg.# 64864-78
 The product labeling is in compliance with EPA regulations and guidelines.
 Refer to product label for further information.

Precautionary Statements:
Prevention Statements: Prevent dust accumulation to minimize explosion hazard. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Observe good industrial hygiene practices.
Response Statements: Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.
Storage Statements: Store locked up away from incompatible materials.
Disposal Statements: Dispose of contents/container should be made in accordance with applicable regional, national and local laws and regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingrediente	CAS #	%
Cyclopropene, 1-methyl-	3100-04-07	3.3

Composition comments: All concentrations are in percent by weight.
 *US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

4. FIRST AID MEASURES

General Advice: Have the product container, label or Safety Data Sheet with you when calling a poison control center or physician or going for treatment. You may also contact PROPHARMA 1-888-271-4649 for emergency medical treatment information.

If Inhaled: If Inhaled: Remove person to fresh air and keep comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice

Skin contact: If on skin or clothing: Take off immediately contaminated clothing. Wash skin with plenty of soap and water/shower 15-20 minutes. Wash contaminated clothing before reuse.



Eye contact:	If in Eyes: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Immediately call a POISON CENTER or doctor for medical advice.
Ingestion:	If Swallowed: Immediately call a POISON CENTER/doctor for treatment advice. Rinse mouth DO NOT induce vomiting. Have person sip a glass of water if able to swallow. Never give anything by mouth if victim is unconscious or is convulsing.
Most important Symptoms / effects, acute and Delayed:	Dusts may irritate the respiratory tract, skin and eyes.
Indication of any immediate medical attention and special treatment needed:	Treat patient symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Water spray. Foam. Dry chemical powder. Carbon dioxide. Apply extinguishing media carefully to avoid creating airborne dust.
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread the fire.
Special Hazards Arising from the Chemical:	Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Firefighting equipment/instructions:	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods:	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards:	May form combustible dust concentrations in air.
Hazardous combustion products:	May include and are not limited to: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency procedures:	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, (see section 8 of the SDS).
Environmental Precautions:	Avoid discharge into drains, water courses or onto the ground. Do not allow product to enter sewers, lakes, streams or other bodies of water.
Containment / Clean-Up Methods:	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material if this is without risk.
	Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water.
	Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. HANDLING & STORAGE

Precautions for Safe Handling:	Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that
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dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat, sparks, open flames, hot surfaces. - No smoking. Explosion-proof general and local exhaust ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Use good industrial hygiene practices in handling this material. When using do not eat or drink.

Conditions for Safe Storage, including any Incompatibilities: Store in original tightly closed container. Store in locked location. Store away from incompatible materials (see Section 10 of the SDS). Do not contaminate water, food or feed by storage or disposal. Store in a cool, dry, well-ventilated place out of direct sunlight. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No exposure limits are indicated for the ingredient (s).
Biological limit values No biological exposure limits noted for the ingredient(s).
Exposure guidelines See above
Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Eye fountain and washing facilities should be available.

Skin protection
Hand protection Nitrile, neoprene, and vinyl (PVC) gloves or other impervious gloves.
Other Mixers, loaders, applicators and other handlers must wear - long-sleeved shirt, long pants and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Respiratory protection Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134)

Thermal hazards Not applicable.

General hygiene considerations Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices. Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. When using do not eat or drink.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Powder, solid	Vapor pressure:	Not available
Appearance / Color:	White	Vapor density: (air =1)	Not available
Odor:	Odorless	Specific Gravity: (H₂O = 1)	Not available
Odor threshold:	Not available	Solubility:	Not available
pH:	5.07	Partition coefficient (n-octanol-water):	Not available
Melting/Freezing point:	Not available	Auto-ignition temperature:	Not available
Pour Point:	Not available	Decomposition temperature:	Not available
Initial boiling point and boiling range:	Not available	Viscosity:	Not available
Flash point:	Not available	Density:	0.31 g/mL (Pour density) 0.42 g/mL (Tap density)
Evaporation rate:	Not available	Explosive properties:	Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.
Flammability (solid, gas):	Not applicable	Oxidizing properties:	Not oxidizing
Upper/Lower	Not available		



flammability limits:

10. STABILITY & REACTIVITY

Reactivity hazards:	This product may react with strong oxidizing agents.
Possibility of Hazardous Reactions:	Contact with water will generate flammable and toxic gas.
Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	Minimize dust generation and accumulation. Keep away from heat / hot surfaces / sparks / open flames / and other ignition sources. No smoking. Do not mix with other chemicals.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	May include and are not limited to: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.	
Information on likely routes of exposure		
Ingestion	May cause stomach distress, nausea or vomiting.	
Inhalation	Dust may irritate respiratory system.	
Skin corrosion / irritation:	No adverse effects due to skin contact are expected.	
Eye damage / irritation:	Direct contact with eyes may cause temporary irritation.	
Symptoms related to the physical, chemical and toxicological characteristics	Dusts may irritate the respiratory tract, skin and eyes.	
Information on toxicological effects		
Acute toxicity	See below.	
Components	Species	Test Results
Cyclopropene, 1-methyl- (CAS 3100-04-7)		
Acute		
Dermal		
LD50	Rabbit	>2000 mg/kg, HSDB
Inhalation		
LC50	Rat	>165 mg/L, 4 hours, HSDB
Oral		
LD50	Rat	>5000 mg/kg, HSDB
Skin corrosion/irritation:	Prolonged skin contact may cause temporary irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye Irritation:	Direct contact with eyes may cause temporary irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory sensitization:	Not a respiratory sensitizer.	
Skin sensitization:	This product is not expected to cause skin sensitization.	
Germ cell mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic	
Carcinogenicity:	See below.	
	US. California Proposition 65 - CRT: Listed date/Carcinogenic substance	
	3-Chloro-2-methylpropene (CAS# 563-47-3)	
	Dimethylvinylchloride (CAS# 513-37-1)	
	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)	
	Not listed.	
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.	
Teratogenicity:	Not available.	
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.	



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/ degradability:	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential	
Mobility in soil:	No data available.
Mobility in general:	Not available.
Other adverse effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Disposal instructions:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Disposal should be made in accordance with applicable regional, national and local laws and regulations. PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty outer foil package in trash. Triple rinse the generator with water after use. Instructions for returning the used generators will be provided by Pace International LLC.
Hazardous waste code	This product, in its original form and concentration, would not designate as a US federal hazardous waste when disposed
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Transport of Dangerous Goods (TDG) Proof of Classification	Classification method: Classified according to Part 2, sections 2.1-2.8 of the Regulations for the transport of dangerous goods. If applicable, the technical name and product classification will appear below.
U.S. Department of Transportation (DOT)	Not regulated as dangerous goods.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS	It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use. EPA Reg. # 64864-78 PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION: Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using the toilet. Remove and wash contaminated clothing before reuse.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.



SARA 304 Emergency Release Notification

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

**Classified Hazard
Categories**

No
Combustible dust

SARA 313 (TRI reporting)

Not regulated.

**OTHER FEDERAL
REGULATIONS**

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

US STATE REGULATIONS

US. California Proposition 65



WARNING: This product can expose you to chemicals including 3-Chloro-2-methylpropene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

US. California Proposition 65 - CRT: Listed date/Carcinogenic substance

3-Chloro-2-methylpropene (CAS# 563-47-3) Listed: July 1, 1989

Dimethylvinylchloride (CAS# 513-37-1) Listed: July 1, 1989

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. OTHER INFORMATION

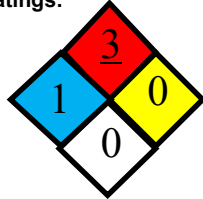
HMIS Ratings:

Health – 1

Flammability – 3

Reactivity – 0

NFPA Ratings:



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, Pace International, LLC and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, neither Pace International, LLC nor any of its subsidiaries or affiliates represents or guarantees 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. If necessary, contact Pace International, LLC to confirm that you have the most current product label and SDS.

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 environmental information as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom"). This requirement covers employers, employees, emergency responders, users and others handling the product. All necessary hazard classification and appropriate precautionary, use, storage, and disposal information are set forth on the labeling and the SDS.

SDS preparation date: October 4, 2021

Replaces MSDS dated: ---

Changes since last revision: New product

Version: 1

