



## SAFETY DATA SHEET

### P-Screen - Citrus Mango [US Variant]

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

#### 1. Identification

##### Product identifier

**Product name** P-Screen - Citrus Mango [US Variant]

**Product number** P-SCRN CITRUS US

**Internal identification** VA-21-145-US-D

##### Recommended use of the chemical and restrictions on use

**Application** Urinal Screen

**Uses advised against** Use only for intended applications.

##### Details of the supplier of the safety data sheet

**Supplier** Vectair Systems Inc.  
2095 Spicer Cove, Covington Way Distribution Centre, Memphis, TN 38134, USA  
+1 901 373 7818  
info@vectairsystems.com

**Contact Person** Product development

##### Emergency telephone number

**Emergency telephone** Vectair Systems Inc +1 901 373 7818 (during normal office hours)

**National emergency telephone number** INFOTRAC +1 800 535 5053 INTERNATIONAL +1 352 323 3500

#### 2. Hazard(s) identification

##### Classification of the substance or mixture

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317

**Environmental hazards** Aquatic Acute 3 - H402 Aquatic Chronic 3 - H412

**Classification in accordance with Directive 1907/2006/EEC**

##### Label elements

##### Hazard symbols



**Signal word**

Danger

## P-Screen - Citrus Mango [US Variant]

<b>Hazard statements</b>	H315 Causes skin irritation. H318 Causes serious eye damage. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P280 Wear protective gloves. P302+P352 If on skin: Wash with plenty of water. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
<b>Contains</b>	Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts, Pin-2(10)-ene, Alpha-Pinenes, citral, Eucalyptus Oil (Eucalyptus Globulus Labille), 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde, Citrus limon (L.) Burm. F., Pine oil, Geraniol, Benzyl salicylate

### Other hazards

This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

#### Mixtures

<b>Ethylene vinyl acetate copolymer</b> CAS number: 24937-78-8	<b>30-60%</b>
<b>Sodium Chloride</b> CAS number: 7647-14-5	<b>10-30%</b>
<b>Polypropylene (PP)</b> CAS number: 9003-07-0	<b>5-10%</b>
<b>Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts</b> CAS number: 68411-30-3	<b>5-10%</b>
<b>Distillates (petroleum), hydrotreated light</b> CAS number: 64742-47-8	<b>1-5%</b>
<b>Decanal</b> CAS number: 112-31-2	<b>1-5%</b>
<b>Alpha-Pinenes</b> CAS number: 80-56-8	<b>1-5%</b>
<b>Pin-2(10)-ene</b> CAS number: 127-91-3	<b>1-5%</b>
<b>methyl salicylate</b> CAS number: 119-36-8	<b>1-5%</b>

**P-Screen - Citrus Mango [US Variant]**

<b>dipropylene glycol methyl ether acetate</b> CAS number: 88917-22-0	1-5%
<b>citral</b> CAS number: 5392-40-5	<1%
<b>Cocamide MEA</b> CAS number: 68140-00-1	<1%
<b>Glycerin</b> CAS number: 56-81-5	<1%
<b>Orange Terpenes</b> CAS number: 68647-72-3	<1%
<b>2'-Acetonaphthone</b> CAS number: 93-08-3	<1%
<b>2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde</b> CAS number: 68039-49-6	<1%
<b>Eucalyptus Oil (Eucalyptus Globulus Labille)</b> CAS number: 8000-48-4	<1%
<b>stearic acid, pure</b> CAS number: 57-11-4	<1%
<b>menthol</b> CAS number: 89-78-1	<1%
<b>Citric Acid</b> CAS number: 77-92-9	<1%
<b>Citrus limon (L.) Burm. F.</b> CAS number: 68917-33-9	<1%
<b>Pine oil</b> CAS number: 8002-09-3	<1%
<b>Bornan-2-one</b> CAS number: 76-22-2	<1%

## P-Screen - Citrus Mango [US Variant]

<b>Linalool</b> CAS number: 78-70-6	<b>&lt;1%</b>
<b>Alpha,alpha-dimethylphenylethyl butyrate</b> CAS number: 10094-34-5	<b>&lt;1%</b>
<b>Benzyl salicylate</b> CAS number: 118-58-1	<b>&lt;1%</b>
<b>Citronellol</b> CAS number: 106-22-9	<b>&lt;1%</b>
<b>Geraniol</b> CAS number: 106-24-1	<b>&lt;1%</b>

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.
<b>Skin Contact</b>	It is important to remove the substance from the skin immediately. In the event of any sensitization symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognized skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

#### Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause sensitization or allergic reactions in sensitive individuals. May cause irritation.
<b>Skin contact</b>	May cause skin sensitization or allergic reactions in sensitive individuals. Redness. Irritating to skin.
<b>Eye contact</b>	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

#### Indication of immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically. May cause sensitization or allergic reactions in sensitive individuals.
-----------------------------	--

## P-Screen - Citrus Mango [US Variant]

### 5. Fire-fighting measures

#### Extinguishing media

**Suitable extinguishing media** The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

#### Special hazards arising from the substance or mixture

**Specific hazards** None known.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

#### Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Avoid contact with skin and eyes.

#### Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

#### Methods and material for containment and cleaning up

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

## P-Screen - Citrus Mango [US Variant]

### Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

### Conditions for safe storage, including any incompatibilities

#### Storage precautions

Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

#### Storage class

Miscellaneous hazardous material storage.

### Specific end uses(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.

## 8. Exposure controls/Personal protection

### Control parameters

#### Occupational exposure limits

##### Alpha-Pinenes

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 112 mg/m<sup>3</sup>  
A4, DSens

##### Pin-2(10)-ene

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 112 mg/m<sup>3</sup>  
Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 112 mg/m<sup>3</sup>  
A4, A4, DSens, DSens

##### Glycerin

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup> respirable fraction  
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> total dust

##### Bornan-2-one

Long-term exposure limit (8-hour TWA): ACGIH 2 ppm 12 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): ACGIH 3 ppm 19 mg/m<sup>3</sup>  
A4  
Long-term exposure limit (8-hour TWA): OSHA 2 mg/m<sup>3</sup>

ACGIH = American Conference of Governmental Industrial Hygienists.  
OSHA = Occupational Safety and Health Administration.  
A4 = Not Classifiable as a Human Carcinogen.  
DSens = Dermal sensitizer.

### Ingredient

#### Bornan-2-one (CAS: 76-22-2)

**Immediate danger to life and health** 200 mg/m<sup>3</sup>

### Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

## P-Screen - Citrus Mango [US Variant]

<b>Hand protection</b>	Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
<b>Other skin and body protection</b>	May cause skin sensitization or allergic reactions in sensitive individuals. Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>Hygiene measures</b>	Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
<b>Respiratory protection</b>	Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Solid.
<b>Color</b>	Yellow.
<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting point</b>	Undetermined.
<b>Initial boiling point and range</b>	>100°C/>212°F
<b>Flash point</b>	>100°C/>212°F
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Other flammability</b>	Not available.
<b>Vapor pressure</b>	Not determined.
<b>Vapor density</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Bulk density</b>	Not available.
<b>Solubility(ies)</b>	Not miscible or difficult to mix.

## P-Screen - Citrus Mango [US Variant]

<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Product is not self igniting.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Product does not present an explosion hazard.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidizing properties</b>	Not available.

### Organic solvents

## 10. Stability and reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 5,494.51

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Skin corrosion/irritation

**Animal data** Irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Eye Dam. 1 - H318 Causes serious eye damage.

#### Respiratory sensitization

**Respiratory sensitization** Based on available data the classification criteria are not met.

#### Skin sensitization

**Skin sensitization** May cause skin sensitization or allergic reactions in sensitive individuals.



## P-Screen - Citrus Mango [US Variant]

### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

**IARC carcinogenicity** None of the ingredients are listed or exempt.

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Not relevant. Solid.

### **General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** No specific symptoms known.

**Ingestion** May cause sensitization or allergic reactions in sensitive individuals. May cause irritation.

**Skin Contact** May cause skin sensitization or allergic reactions in sensitive individuals. Redness. Irritating to skin.

**Eye contact** Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

**Route of exposure** Ingestion Inhalation Skin and/or eye contact

**Target Organs** No specific target organs known.

**Medical considerations** Skin disorders and allergies.

## 12. Ecological information

**Toxicity** Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

### Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

### Bioaccumulative potential

**Bio-Accumulative Potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

### Mobility in soil

**Mobility** No data available.

### Other adverse effects

**Other adverse effects** None known.

## P-Screen - Citrus Mango [US Variant]

### 13. Disposal considerations

#### Waste treatment methods

##### **General information**

The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

##### **Disposal methods**

Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

### 14. Transport information

##### **General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

##### UN Number

##### **UN No. (International)**

Not applicable.

##### UN proper shipping name

##### **Proper shipping name (International)**

Not applicable.

##### Transport hazard class(es)

##### **Transport Labels (International)**

No transport warning sign required.

##### Packing group

##### **Packing group (International)**

Not applicable.

##### Environmental hazards

##### **Environmentally Hazardous Substance**

No.

##### Special precautions for user

Not applicable.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### 15. Regulatory information

#### US Federal Regulations

##### **SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

None of the ingredients are listed or exempt.

##### **CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

None of the ingredients are listed or exempt.

##### **SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

None of the ingredients are listed or exempt.

## P-Screen - Citrus Mango [US Variant]

### SARA 313 Emission Reporting

None of the ingredients are listed or exempt.

### CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

### FDA - Essential Chemical

None of the ingredients are listed or exempt.

### FDA - Precursor Chemical

None of the ingredients are listed or exempt.

### SARA (311/312) Hazard Categories

None of the ingredients are listed or exempt.

### OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

### US State Regulations

#### California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed or exempt.

#### California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed or exempt.

#### California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

#### California Directors List of Hazardous Substances

None of the ingredients are listed or exempt.

#### Massachusetts "Right To Know" List

The following ingredients are listed or exempt:

*Alpha-Pinenes*

Present.

*Glycerin*

Present.

#### Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

*methyl salicylate*

Present.

*Glycerin*

Present.

#### Minnesota "Right To Know" List

The following ingredients are listed or exempt:

*Glycerin*

Present.

#### New Jersey "Right To Know" List

The following ingredients are listed or exempt:

*Alpha-Pinenes*

Present.

## P-Screen - Citrus Mango [US Variant]

*Glycerin*

Present.

### **Pennsylvania "Right To Know" List**

The following ingredients are listed or exempt:

*methyl salicylate*

Present.

*Alpha-Pinenes*

Present.

*Glycerin*

Present.

### **Inventories**

#### **US - TSCA**

The following ingredients are listed or exempt:

*menthol*

Present.

*Citric Acid*

Present.

*Sodium Chloride*

Present.

*methyl salicylate*

Present.

*Benzyl salicylate*

Present.

*dipropylene glycol methyl ether acetate*

Present.

*2'-Acetonaphnone*

Present.

*Alpha-Pinenes*

Present.

*2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde*

Present.

*Pin-2(10)-ene*

Present.

*Citronellol*

Present.

*Eucalyptus Oil (Eucalyptus Globulus Labille)*

Present.

*Orange Terpenes*

Present.

*Citrus limon (L.) Burm. F.*

Present.

*Glycerin*

Present.

#### **US - TSCA 12(b) Export Notification**

None of the ingredients are listed or exempt.

## P-Screen - Citrus Mango [US Variant]

### 16. Other information

<b>Training advice</b>	Only trained personnel should use this material.
<b>Revision comments</b>	Revised formulation.
<b>Issued by</b>	Compliance Lead
<b>Revision date</b>	9/8/2021
<b>Revision</b>	5
<b>Supersedes date</b>	9/15/2020
<b>SDS No.</b>	5504
<b>Hazard statements in full</b>	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H402 Harmful to aquatic life. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.