

**1 PRODUCT AND COMPANY IDENTIFICATION**

**Manufacturer**

Prefense LLC  
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 Muscatine, IA 52761

**Contact:** Prefense LLC.

**Phone:** (877) 523-9997

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**Product Name:** Prefense™ Alcohol-Free Hand Sanitizer

**Version:** 1.01

**Common Name:** Organosilane Solution

**CAS Number:** N/A

**EPA Number:** None

**Chemical Family:** Aqueous Solution

**Chemical Formula:** Benalkonium Chloride 0.12%, Water 98-99.5%, Inert ingredients including 3-Chloropropyltrimethoxysilane, Acetic Acid, Anhydrous Citric Acid, Cocamidopropyl betaine, Octadecyldimethyl (3-trimethoxysilylpropyl)ammonium chloride, East Indian Lemongrass Oil (scented product only), Isotonic Sodium Chloride Solution, Orange Oil (scented product only) 0.5-1.88%

**Synonyms:** N/A

**Product Use:** Hand and Skin Sanitizer

**Emergency Phone:** (877) 523-9997

**2 HAZARDS IDENTIFICATION**

NFPA:  
 HMIS III

Health =0, Fire =0, Reactivity =0  
 H0/F0/PH0



| PERSONAL PROTECTION INDEX |  |   |   |   |  |   |  |   |  |                        |  |   |  |
|---------------------------|--|---|---|---|--|---|--|---|--|------------------------|--|---|--|
| A                         |  | G |   |   |  |   |  |   |  |                        |  |   |  |
| B                         |  | H |   |   |  |   |  |   |  |                        |  |   |  |
| C                         |  | I |   |   |  |   |  |   |  |                        |  |   |  |
| D                         |  | J |   |   |  |   |  |   |  |                        |  |   |  |
| E                         |  | K |   |   |  |   |  |   |  |                        |  |   |  |
| F                         |  | X | Consult your supervisor or S.O.P. for "SPECIAL" handling directions |   |  |   |  |   |  |                        |  |   |  |
| A                         |  | n |   | o |  | p |  | q |  | r                      |  | s |  |
| t                         |  | u |   | w |  | y |  | z |  | Additional Information |  |   |  |

GHS SIGNAL WORD:

**WARNING**

GHS Hazard pictograms:

N/A

GHS Classifications:  
Health, Eye Irritation, 2A

GHS Phrases:  
H320 - Causes eye irritation

GHS Precautionary Statements:  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

### 3 COMPOSITION INFORMATION ON INGREDIENTS

**Ingredients:**

CAS # | Percentage | Chemical Name

7732-18-5 | 98.0% | Water  
68424-85-1 | .12% | Benzalkonium Chloride non-hazardous, non-regulated  
1.88% Proprietary, non-hazardous, non-regulated

### 4 FIRST AID MEASURES

**Inhalation:** N/A

**Skin Contact:** N/A

**Eye Contact:** Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses if present and easy to do so. If irritation persists, obtain medical attention.

**Ingestion:** Rinse mouth with water. Give 3-4 glasses of water or milk to dilute stomach contents. Do NOT induce vomiting. If vomiting occurs, give more water or milk. Never give anything by mouth to an unconscious person. Slight gastrointestinal discomfort may occur. If irritation develops and/or persists, seek medical attention.

**Most important symptoms and effects, both acute and delayed:**

The most important known symptoms and effects are described in the labeling (see Section 2) and/or Section 11.

**Indication of any immediate medical attention and special treatment needed:**

No data available.

### 5 FIRE FIGHTING MEASURES

**Flammability:** Not flammable

**Flash Point:** No data available

**Flash Point Method:** No data available

**Burning Rate:** No data available

**Autoignition Temp:** No data available

**LEL:** No data available

**UEL:** No data available

**Extinguishing Media: Any**

Water Spray /Water Fog

Carbon Dioxide

Alcohol-Resistant Foam

Dry Chemical

**Special Hazards Arising From the Substance or Mixture:**

No data available

**Advice for Firefighters:**

Firefighters should wear full-face, positive-pressure respirators.

**Further Information:**

If incinerated, may release toxic fumes.

Use water spray to cool unopened containers.

See Section 7 for more information on safe handling.

See Section 8 for more information on personal protection equipment.

See Section 13 for disposal information.

The logo for pre·fense features the word "pre" in a blue, lowercase, sans-serif font, followed by a small blue dot, and then "fense" in a green, lowercase, cursive font. A small trademark symbol (TM) is located to the right of the word "fense".

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## 6 ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment and Emergency Procedures:**

Keep from contacting eyes, use ANSI approved safety glasses with side protection or goggles.  
Ensure adequate ventilation.  
Handle in accordance with good hygiene and safety practices.

### **Environmental Precautions:**

Prevent further release (leakage/spillage) if safe to do so.

### **Methods and Materials for Containments and Cleaning Up:**

Recover or Mop up excess material and reuse wherever possible.  
Rinse spilled product to dilute areas of direct contact.  
Dispose of contaminated material according to Section 13.  
After spillage has been collected, area may be flushed with water or wet-brushed.

### **Reference to Other Sections:**

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on proper disposal.

## 7 HANDLING AND STORAGE

### **Handling Precautions:**

Keep containers closed when not in use.  
Do not expose containers to open flame, or direct sunlight.  
Avoid excessive heat and contamination of any kind.  
Handle with care and avoid spillage on the floor.  
Keep material out of reach of children.

### **Storage Requirements:**

Stable under normal conditions.  
Keep container tightly closed.  
Do not store in direct sunlight.  
Avoid temperatures of below 40°. Do not allow product to freeze.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Engineering Controls:**

N/A

### **Personal Protective Equip:**

Eye/face protection:  
Avoid eye contact and direct exposure. May cause irritation.

Skin protection:  
N/A

Body Protection:  
N/A

Respiratory protection:  
N/A

Control of environmental exposure:  
Prevent leakage or spillage if safe to do so.

### **Components with workplace control parameters:**

Contains no reportable substances with biological occupational exposure limit values.

### **Biological occupational exposure limits:**

Contains no reportable substances with biological occupational exposure limit values.



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## 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Opaque, colorless liquid  
**Physical State:** Liquid **Odor Threshold:** Not determined  
**Particle Size:** Not determined **Spec Grav./Density:** ~ 1.000 g/ml (8.35 lbs/gal)  
**Viscosity:** Not determined **Sat. Vap. Conc.:** Not determined  
**Boiling Point:** 100.0 °C (212.0 °F) **Flammability:** (solid, gas): Not flammable  
**Partition Coefficient:** Not determined **Vapor Pressure:** (mm Hg @ 25 °C): 100  
**pH: @ 100%:** 6.5-7.5 **Evap. Rate:** (N-Butyl Acetate = 1): < 1  
**Molecular weight:** MIXTURE **Decomp Temp:** Not determined  
**Odor:** Slight Herbal **Molecular Formula:** MIXTURE  
**Solubility:** 100% **Softening Point:** Not determined  
**Percent Volatile:** >99% **Heat Value:** Not determined  
**Freezing/Melting Pt.:** 0.0 °C (32.0 °F) **Flash Point:** DNA  
**Octanol:** Not determined **Vapor Density:** (air = 1): > 1  
**VOC:** DNA **Bulk Density:** Not determined  
**Auto-Ignition Temp:** Not determined **UFL/LFL:** Not determined

## 10 STABILITY AND REACTIVITY

**Stability:** Product is stable under normal conditions.  
**Conditions to Avoid:** Extreme heat, flames, contamination or temperatures below 40°F. Do not allow to freeze.  
**Materials to Avoid:** N/A  
**Hazardous Decomposition:** N/A  
**Hazardous Polymerization:** Will not occur.

## 11 TOXICOLOGICAL INFORMATION

**Component(s):** Prefense™ Hand and Skin Sanitizer  
**Acute Toxicity:** N/A  
**Skin Corrosion/Irritation:** May cause mild skin irritation.  
**Serious Eye Damage/Eye Irritation:** May cause mild skin irritation.  
**Respiratory or Skin Sensitation:** No data available.  
**Germ Cell Mutagenicity:** No data available.

### Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.  
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.  
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive Toxicity:** No data available.  
**Specific Target Organ Toxicity - Single Exposure:** No data available.  
**Specific Target Organ Toxicity - Repeated Exposure:** No data available.  
**Aspiration Hazard:** No data available.  
**Additional Information:**  
**Component:** Prefense™ Hand and Skin Sanitizer; RTECS: N/A

## 12 ECOLOGICAL INFORMATION

**Component(s):** Prefense™ Hand and Skin Sanitizer  
**CAS No(s):** N/A  
**Toxicity:** N/A  
**Persistence and Degradability:**  
No data available.  
**Bioaccumulative potential:**  
No data available.  
**Mobility in Soil:**  
No data available.  
**Results of PBT and vPvB assessment:**  
Not required/conducted.  
**Other Adverse Effects:** N/A

## 13 DISPOSAL CONSIDERATIONS

pre:fense™

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Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Dispose of within current local and state regulations. No special method is required.  
Contaminated Packaging: Dispose of as unused product within current local and state regulations. No special method is required.

#### 14 TRANSPORT INFORMATION

**DOT (US)**

Non-regulated material, liquid

**IMDG**

Non-regulated material, liquid

**IATA**

Non-regulated material, liquid

#### 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

Proprietary, non-hazardous, non-regulated (N/A 100%) None - Reporting not required

REGULATORY KEY DESCRIPTIONS

None - Not applicable

#### 16 OTHER INFORMATION

**Disclaimer:**

**KEEP OUT OF REACH OF CHILDREN**

Although the information and recommendations set forth in this sheet are believed to be correct as of the date hereof, Prefense LLC. makes no representation as to the completeness or accuracy of such information and recommendations. Prefense LLC. shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon such information and recommendations. You are encouraged to advise anyone working with or exposed to such products of the information contained herein.

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