$\label{eq:prefenseTM} \textbf{Prefense}^{\text{TM}} \, \textbf{Alcohol-Free Hand Sanitizer}$

Safety Data Sheet (SDS)

SDS Number: 516 Revision Date: 06/14/2020

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Prefense LLC PO Box 434 1602 Musser Street Muscatine, IA 52761

Contact: Prefense LLC. Phone: (877) 523-9997 Fax: (877) 744-2947 Email: info@prefense.com Web: www.prefense.com

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

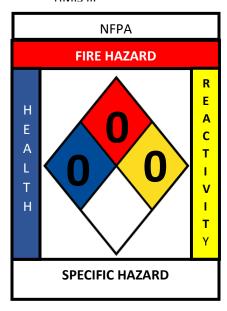
Chemical Formula: Benalkonium Chloride 0.12%, Water 98-99.5%, Inert ingredients including 3-Chloropropyltrimethoxysilane, Acetic Acid, Anhydrous Citric Acid, Cocamidopropyl betaine, Octadecyldimethyl (3-trimethoxysilylpropyl)ammonium chloride, East Indian Lemongrass Oil (scented product only), Isotonic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

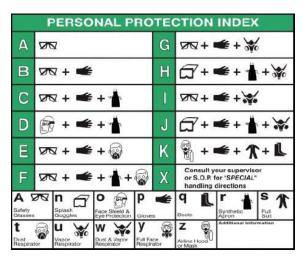
2 HAZARDS IDENTIFICATION

NFPA: HMIS III



Health =0, Fire =0, Reactivity =0 HO/FO/PH0





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

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7732-18-5 | 98.0% | Water

68424-85-1 | .12% | Benzalkonium Chloride non-hazardous, non-regulated

1.88% Proprietray, 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 is 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.



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.



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.

 $\begin{tabular}{ll} \textbf{Materials to Avoid:} N/A \\ \textbf{Hazardous Decomposition:} N/A \\ \end{tabular}$

Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Component(s): Prefense¹⁵⁴ 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



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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