

**1. IDENTIFICATION**

**Product Name:** PDI Sani-Cloth AF3 Liquid

**Date of Preparation:** October 23, 2015

**Recommended use of the chemical and restrictions on use:**

**Recommended use:** Hard, Nonporous Surface Disinfectant

**Restrictions on use:** None known

**Manufacturer/Supplier:** Nice-Pak/PDI, Inc.  
Two Nice-Pak Park  
Orangeburg, NY 10962-1376

**Phone Number:** 1-845-365-1700

**Emergency Phone Number:** PERS: 1-800-633-8253 (Domestic/Canada)  
1-801-629-0667 (International)

**2. HAZARD(S) IDENTIFICATION**

**GHS Classification:**

Physical	Health	Environmental
Not Classified	Eye Irritant Category 2B	Not Classified

**Label Elements:**

Warning!

**Hazard Statements:**

Causes eye irritation.

**Precautionary Statements:**

Wash thoroughly after handling.

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 attention.

**Other Hazards:** None known.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical name	CAS No.	Concentration
Non-Hazardous Components	Mixture	90-<100%
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides	85409-23-0/ 68956-79-6	<0.5%

Benzyl-C12-18-alkyldimethyl ammonium chlorides	68391-01-5	<0.5%
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The specific identity and/or exact percentage of composition has been withheld as a trade secret.

#### 4. FIRST-AID MEASURES

##### Description of First Aid Measures:

**Eye:** Flush eyes with large quantities of water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. Get medical attention if irritation persists.

**Skin:** No first aid should be required. Wash skin with water. Get medical attention if irritation develops or persists.

**Inhalation:** Not a normal route of exposure. If symptoms develop move victim to fresh air. Get medical attention if symptoms develop.

**Ingestion:** Ingestion is unlikely for solid products. No first aid is required for small amounts transferred from hands to mouth

**Most Important Symptoms/Effects, Acute and Delayed:** Direct contact may cause mild eye irritation. Inhalation of vapors or mists may cause upper respiratory tract irritation.

**Indication of Immediate Medical Attention and Special Treatment, If Necessary:** None required under normal conditions of use.

#### 5. FIRE-FIGHTING MEASURES

**Suitable (and Unsuitable) Extinguishing Media:** Use media appropriate for surrounding fire.

**Specific Hazards Arising From the Chemical:** Combustion may produce oxides of sodium, nitrogen and chloride compounds, and ammonia.

**Special Protective Equipment and Precautions for Fire-Fighters:** Firefighters should always wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces. Contain runoff.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:** Avoid contact with eyes. Avoid breathing vapors or mists. Wear appropriate protective clothing as described in Section 8.

**Environmental Hazards:** Avoid releases to the environment. Report spill as required by local and federal regulations.

**Methods and Materials for Containment and Cleaning Up:** Cover with an inert absorbent material and collect into an appropriate container for disposal.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with eyes. Avoid breathing vapors or mists. Wash hands with soap and water after use. Wear protective clothing and equipment as described in Section 8.

**Conditions for Safe Storage, Including Any Incompatibilities:** Store in a cool, dry location away from incompatible materials. Protect container from physical damage. Keep containers closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines:

Non-Hazardous Components	None Established
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides	None Established
Benzyl-C12-18-alkyldimethyl ammonium chlorides	None Established

**Appropriate Engineering Controls:** General ventilation is adequate under normal conditions of use. Refer product label for additional information.

### Individual Protection Measures, Such As Personal Protective Equipment:

**Respiratory Protection:** None required for normal use. In case of insufficient ventilation, wear suitable respiratory equipment. Refer product label for additional information.

**Skin Protection:** Avoid contact with skin.

**Eye Protection:** Avoid contact with eyes.

**Other:** None required under normal conditions of use.

General ventilation is adequate under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Colorless liquid	<b>Flammable limits: LEL:</b> Not applicable <b>UEL:</b> Not applicable
<b>Odor:</b> Natural odor	<b>Vapor pressure:</b> Not available
<b>Odor Threshold:</b> Not applicable	<b>Vapor density:</b> Not available
<b>pH:</b> 11.4	<b>Relative density:</b> 0.995-1.045
<b>Melting point/freezing point:</b> 0°C (32°F)	<b>Solubility(ies):</b> Soluble in water
<b>Boiling point/range:</b> 100°C (212°F)	<b>Partition coefficient (n-octanol/water):</b> Not available
<b>Flash point:</b> Not available	<b>Auto-ignition temperature:</b> Not available
<b>Evaporation rate:</b> Not available	<b>Decomposition temperature:</b> Not available
<b>Flammability (solid, gas):</b> Not applicable	

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions of use. This product may react in contact with incompatible materials.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions To Avoid:** Keep away from heat and open flames.

**Incompatible Materials:** Avoid contact with strong oxidizing agents.

**Hazardous Decomposition Products:** Thermal decomposition may produce oxides of sodium, nitrogen and chloride compounds, and ammonia.

## 11. TOXICOLOGICAL INFORMATION

### Potential Health Effects:

**Eye:** This product is expected to cause mild irritation to eyes based on test data from the OPPTS 870.2400 Acute Eye Irritation Study which resulted in Toxicity Category III.

**Skin:** No adverse effects are expected. This product is non-irritating based on test data from the OPPTS 870.2500 Acute Skin irritation study which resulted in Toxicity Category IV.

**Inhalation:** Inhalation of vapors or mists may cause upper respiratory tract irritation.

**Ingestion:** Swallowing large amounts of liquid may cause gastrointestinal irritation

**Chronic Effects:** None known.

**Carcinogenicity:** None of the components of this product are listed as a carcinogen or suspected carcinogen by OSHA, IARC, and NTP.

**Reproductive Effects:** Reproductive harm is not expected from this product.

**Mutagenic Effects:** Not expected to cause mutagenic activity.

### Acute Toxicity:

The following values are based on OPPTS Test Data:

Oral rat LD50: >5000 mg/kg, Dermal rabbit LD50: >5000 mg/kg, Inhalation rat LC50: >2.6 mg/L/4hr

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available for this mixture. The following ecotoxicity data is for the individual components:

Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides and Benzyl-C12-18-alkyldimethyl ammonium chlorides: 96 hr LC50 Fish: 0.86 ppm, 48 hr EC50 Daphnia: 0.0058-0.016 mg/L

This product is expected to be very toxic to the aquatic environment. Releases to the environment should be avoided.

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** No data available

**Other Adverse Effects:** None known.

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

## 14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
<b>US DOT</b>	None	Not Regulated	None	None	None
<b>IMDG</b>	UN3082	Environmentally hazardous substance, liquid, n.o.s. (Quaternary ammonium compounds)*	9	III	Marine Pollutant
<b>IATA</b>	UN3082	Environmentally hazardous substance, liquid, n.o.s. (Quaternary ammonium compounds)*	9	III	Yes

\*Inner packages with less than 5 liters of liquid are exempt per IMDG Code 2.10.2.7 and ICAO Special Provision A197.

**Special precautions:** None known

## 15. REGULATORY INFORMATION

### Safety, Health, and Environmental Regulations Specific for the Product In Question:

#### U.S. FEDERAL REGULATIONS:

**CERCLA 103 Reportable Quantity:** This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

#### SARA TITLE III:

**Hazard Category for Section 311/312:** Acute Health

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the ingredients of this product are listed on the TSCA inventory.

#### STATE REGULATIONS:

**California Proposition 65:** This product contains a substance known in the State of California to cause cancer and/or reproductive harm.

## 16. OTHER INFORMATION

**HMIS Ratings:** Health – 2

Flammability – 0

Physical Hazard - 0

**NFPA Ratings:** Health – 2

Flammability – 0

Instability – 0

**SDS Revision History:** New SDS  
**Date of preparation:** October 23, 2015  
**Date of last revision:** -