

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

Appearance: Colorless liquid	Flammable limits: LEL: Not applicable UEL: Not applicable
Odor: Natural odor	Vapor pressure: Not available
Odor Threshold: Not applicable	Vapor density: Not available
pH: 11.4	Relative density: 0.995-1.045
Melting point/freezing point: 0°C (32°F)	Solubility(ies): Soluble in water
Boiling point/range: 100°C (212°F)	Partition coefficient (n-octanol/water): Not available
Flash point: Not available	Auto-ignition temperature: Not available
Evaporation rate: Not available	Decomposition temperature: Not available
Flammability (solid, gas): 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
US DOT	None	Not Regulated	None	None	None
IMDG	UN3082	Environmentally hazardous substance, liquid, n.o.s. (Quaternary ammonium compounds)*	9	III	Marine Pollutant
IATA	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: -