

1. IDENTIFICATION

Product Name: Sani Professional No-Rinse Sanitizing + Disinfecting Multi-Surface Spray

Finished Product Number: G11284

Formula Item Number: 4OG11201

Date of Preparation: May 21, 2018

Recommended use of the chemical and restrictions on use:

Recommended use: Use as a disinfectant on hard, non-porous surfaces. Read and understand the entire label before using. Use only according to label directions. It is a violation of Federal law to use this product in a manner inconsistent to label directions.

Restrictions on use: For Professional and Hospital Use.

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
Flammable Liquid Category 3	Not Classified	Not Classified

Label Elements:

Warning!



Hazard Statements:

Flammable liquid and vapor.

Precautionary Statements:

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep container tightly closed.
- Ground and bond container and receiving equipment.
- Use explosion-proof, electrical, ventilating, or lighting equipment.
- Use non-sparking tools.
- Take action to prevent static discharges.

Wear eye protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

In case of fire: Use water fog, alcohol-resistant foam, carbon dioxide and dry chemical to extinguish.

Store in a well-ventilated place. Keep cool.

Dispose of contents and container in accordance with local and national regulations.

Other Hazards: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Isopropanol	67-63-0	5-<10%
Ethyl Alcohol (Ethanol)	64-17-5	<10%
Didecyl dimethyl ammonium chloride	7173-51-5	0.023%
Alkyl (50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆) dimethyl benzyl ammonium chloride	68424-85-1	0.015%

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: Rinse thoroughly with water. Get medical attention if irritation occurs and persists.

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

Inhalation: If symptoms develop move victim to fresh air. Get medical attention if irritation or other symptoms persists.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by a medical professional. Get medical attention if you feel unwell.

Most Important Symptoms/Effects, Acute and Delayed: Direct contact may cause minimal eye irritation. Inhalation of vapors or mists may cause upper respiratory tract irritation and central nervous system effects. Swallowing large amounts of liquid may cause gastrointestinal irritation and central nervous system depression effects such as dizziness, drunkenness, and drowsiness.

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 water fog, alcohol-resistant foam, carbon dioxide and dry chemical.

Specific Hazards Arising From the Chemical: Flammable liquid and vapor. Vapors are heavier than air and may flow along surfaces to remote ignition sources and flash back. Combustion may produce oxides of carbon, nitrogen, and ammonia. Flames may be invisible in daylight.

Special Protective Equipment and Precautions for Fire-Fighters: Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Evacuate spill area and keep unprotected personnel away. Remove all ignition sources such as open flames, spark producing equipment, pilot lights, etc. Minimize generation of static electricity which may cause sparking. Avoid contact with eyes. Wear appropriate protective clothing. Avoid breathing vapors or mists. Ventilate area with explosion proof equipment.

Environmental Hazards: 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. Use non-sparking tools and equipment.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes. Wear protective clothing and equipment as described in Section 8. Avoid breathing vapors or mists. Use with adequate ventilation. Wash hands with soap and water after use. Keep product away from heat, sparks, flames and all other sources of ignition. No smoking in storage or use areas. Keep containers closed when not in use. Use with non-sparking tools and explosion proof equipment. Refer product label for additional information on use and handling. Follow all SDS precautions in Section 13 when handling empty containers.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, dry location away from incompatible materials. Do not store near heat or open flame. Use product only from original container. Protect container from physical damage. Keep containers closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Isopropanol	200 ppm TWA, 400 ppm STEL ACGIH TLV 400 ppm TWA OSHA PEL
Ethyl Alcohol	1000 ppm STEL ACGIH TLV 1000 ppm TWA OSHA PEL
Didecyl dimethyl ammonium chloride	None Established
Alkyl (50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆) dimethyl benzyl ammonium chloride	None Established

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits. Use explosion proof electrical equipment and wiring where required.

Individual Protection Measures, Such As Personal Protective Equipment:

Respiratory Protection: If the exposure levels are excessive, use an approved organic vapor respirator. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with local regulations and good Industrial Hygiene practice.

Skin Protection: For prolonged exposure, use impervious gloves to prevent skin contact.

Eye Protection: Wear safety goggles or other eye protection if splashing or exposure to spray mists is possible.

Other: None required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid	Flammable limits: LEL: 2.5% (Isopropanol) UEL: 19.0% (Ethanol)
Odor: Slight alcohol odor	Vapor pressure: Not available
Odor Threshold: Not applicable	Vapor density: Not available
pH: 9.80-13.25	Relative density: 0.98
Melting point/freezing point: Not available	Solubility(ies): Soluble in water
Boiling point/range: 78°C (172.4°F) (Ethanol)	Partition coefficient (n-octanol/water): Not available
Flash point: 34°C (93.2°F) Tag Closed Cup	Auto-ignition temperature: 363°C (685.40°F) (Ethanol)
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.

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, sparks, flames and other sources of ignition.

Incompatible Materials: Avoid contact with strong oxidizing agents and anionic surfactants.

Hazardous Decomposition Products: Thermal decomposition may produce oxides of carbon, nitrogen, and ammonia.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: This product is expected to cause minimal eye irritation based on test data from the OPPTS 870.2400 Acute Eye Irritation Study which resulted in Toxicity Category IV.

Skin: This product is not expected to cause skin irritation based on test data from the OPPTS 870.2500 Acute Skin irritation study which resulted in Toxicity Category IV.

Inhalation: Inhalation of spray mists or vapors may cause upper respiratory tract irritation, headache, dizziness, drowsiness, confusion, and other central nervous system effects.

Ingestion: Swallowing may cause gastrointestinal irritation and central nervous system depression with symptoms similar to those described under inhalation.

Chronic Effects: None known.

Carcinogenicity: Ingestion of alcoholic beverages is known to cause cancer in humans. The carcinogen classification does not apply for this product. None of the components of this product are listed as a carcinogen or suspected carcinogen by OSHA, IARC, and NTP.

Reproductive Effects: Repeated ingestion of ethanol by pregnant mothers has been shown to adversely affect the central nervous system of the fetus, resulting in fetal alcohol syndrome. These effects include mental and physical retardation, disturbances of learning, motor and language deficiencies, behavioral disorders and small head size. 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: >2.5 mg/L/4hr (as mist)

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Ethanol: 96 hr LC50 Fathead minnow: 14.2 g/L, 48 hr LC50 Ceriodaphnia dubia: 5012 mg/L

Isopropanol: 96 hr LC50 Bluegill (Lepomis macrochirus) : >1400 mg/L, 48 hr EC50 Daphnia: 13299 mg/L, 72 hr IC50 Algae: 1000 mg/L

Didecyl dimethyl ammonium chloride: 96 hr LC50 Zebrafish: 0.49 mg/L, 48 hr EC50 Daphnia magna: 0.057 mg/L (M-Factor Acute: 10)

This product is not expected to be harmful to the aquatic environment.

Persistence and Degradability: Didecyl dimethyl ammonium chloride: Readily biodegradable- 85% after 14 days.

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: None known.

13. DISPOSAL CONSIDERATIONS

For non-refillable containers: Do not reuse or refill this container. Offer for recycling. If recycling is not available, put in trash collection.

For refillable containers: Rinse cracked or broken containers and offer for recycling. If recycling is not available, discard in trash.

Empty containers or liners may retain some product residues. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. This material and its container must be disposed of in a safe manner. 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		Not regulated per aqueous alcohol exemption			Not applicable

IMDG	UN1987	Alcohols, n.o.s. (contains ethanol, Isopropanol)	3	III	Not applicable
IATA	UN1987	Alcohols, n.o.s. (contains ethanol, Isopropanol)	3	III	Not applicable

Special precautions: None known

15. REGULATORY INFORMATION

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

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Labeling:

Keep Out Of Reach of Children
PRECAUTIONARY STATEMENTS

Physical or chemical Hazard

Combustible. Do not use or store near heat or open flame.

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: See OSHA Hazard Classification in Section 2.

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: This product is a EPA Registered product #9480-11. However, all of the ingredients of this product are listed on the TSCA inventory.

STATE REGULATIONS:

Massachusetts RTK: Isopropanol and Ethanol are listed.

Pennsylvania RTK: Isopropanol and Ethanol are listed.

Rhode Island RTK: Isopropanol and Ethanol are listed.

New Jersey RTK: Isopropanol and Ethanol are listed.

16. OTHER INFORMATION

HMIS Ratings: Health – 1

Flammability – 3

Physical Hazard - 0

NFPA Ratings: Health – 0

Flammability – 3

Instability – 0

SDS Revision History: Updated Section 3, 8, and 15.

Date of preparation: May 21, 2018

Date of last revision: January 25, 2018