

SAFETY DATA SHEETS

This SDS packet was issued with item:

071274059

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

071274042

1. Product and Company Identification

Product Name	PDI Sani-Cloth® Bleach Germicidal Disposable Wipe	MSDS0094
CAS #	Mixture	
Product use	Cleaning and Disinfecting	
Manufacturer	Professional Disposables International, Inc. Two Nice-Pak Park Orangeburg, NY 10962-1376 Phone (USA) 1-845-365-1700 (M-F 8am - 5pm)	

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	1
Physical Hazard	0
Personal Protection	A



2. Hazards Identification

Emergency overview	CAUTION Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Do not use with ammonia or acid such as vinegar, rust removers, toilet bowl cleaners etc. Prolonged use on metals may cause pitting or discoloration.
Potential short term health effects	
Routes of exposure	Eye. Skin contact.
Eyes	May be minimally irritating to eyes based on test data.
Skin	May be minimally irritating to skin based on test data. Not a skin sensitizer based on test data.
Inhalation	Not a normal route of exposure.
Ingestion	Not a normal route of exposure.
Target organs	Eyes. Skin.
Chronic effects	Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Signs and symptoms	Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Trisodium phosphate dodecahydrate	10101-89-0	1 - 2.5
Sodium hypochlorite	7681-52-9	< 1

4. First Aid Measures

First aid procedures	
Eye contact	In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling.
Skin contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Immediately take off all contaminated clothing.
Inhalation	Not a normal route of exposure. If symptoms develop move victim to fresh air.
Ingestion	Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Get medical attention immediately.

Notes to physician

Treat patient symptomatically.

General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. Fire Fighting Measures

Flammable properties	Not flammable by OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Methods for containment	Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Pick up and discard towel.
Other information	Pick up and discard towel.

7. Handling and Storage

Handling	<p>Do not reuse towelette. Do not reuse the empty container. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. Do not use with ammonia or acids such as vinegar, rust removers, toilet bowl cleaners, etc.</p> <p>Not intended for use on fabrics. Prolonged use on metals may cause pitting or discoloration.</p>
Storage	<p>Keep out of reach of children. Store in a closed container away from incompatible materials.</p>

8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
Sodium hypochlorite	<p>ACGIH-TLV Not established</p> <p>OSHA-PEL Not established</p>
Trisodium phosphate dodecahydrate	<p>ACGIH-TLV Not established</p> <p>OSHA-PEL Not established</p>
Engineering controls	General ventilation normally adequate.

Personal protective equipment

Eye / face protection	Wear gear as deemed necessary. Follow label directions.
Hand protection	Wear as deemed necessary, follow label directions.
Skin and body protection	As required by employer code.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

9. Physical and Chemical Properties

Appearance	Clear. Liquid saturated on wipe
Color	Clear, colorless liquid
Form	Liquid saturated on wipe.
Odor	Chlorine
Odor threshold	Not available
Physical state	Solid
pH	12.5 (liquid)
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	Not applicable
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.018 (Liquid)
Octanol/water coefficient	Not available
Solubility (H2O)	Wipe is not soluble

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals. Do not use with ammonia or acids such as vinegar, rust removers, toilet bowl cleaners, etc.
Incompatible materials	Acids. Oxidizers. Caustics.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Acute effects	Acute LD50: >5000 mg/kg, Rat, Oral Acute LD50: >5000 mg/kg, Rabbit, Dermal Acute LC50: >2.35 mg/l/4h, Rat, Inhalation
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Component analysis - LC50

Ingredient(s)	LC50
Sodium hypochlorite	> 5250 mg/m3 rat
Trisodium phosphate dodecahydrate	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Sodium hypochlorite	8200 mg/kg rat; 5800 mg/kg mouse
Trisodium phosphate dodecahydrate	7400 mg/kg rat
Effects of acute exposure	
Eye	May be minimally irritating to eyes based on test data.
Skin	May be minimally irritating to skin based on test data. Not a skin sensitizer based on test data.
Inhalation	Not a normal route of exposure.
Ingestion	Not a normal route of exposure.
Sensitization	Non-hazardous by OSHA criteria.
Chronic effects	Non-hazardous by OSHA criteria.
Carcinogenicity	Non-hazardous by OSHA criteria.
IARC - Group 3 (Not Classifiable)	
Sodium hypochlorite	7681-52-9 Monograph 52 [1991] (listed under Hypochlorite salts)
Mutagenicity	Non-hazardous by OSHA criteria.
Reproductive effects	Non-hazardous by OSHA criteria.
Teratogenicity	Non-hazardous by OSHA criteria.
Synergistic Materials	Not available

12. Ecological Information

Ecotoxicity	See below
Ecotoxicity - Freshwater Algae Data	
Sodium hypochlorite	7681-52-9 24 Hr EC50 Skeletonema costatum: 0.095 mg/L
Ecotoxicity - Freshwater Fish Species Data	
Sodium hypochlorite	7681-52-9 96 Hr LC50 Pimephales promelas: 0.06-0.11 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 4.5-7.6 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.4-0.8 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.28-1 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.05-0.771 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: >0.03-<0.19 mg/L [semi-static]; 96 Hr LC50 Oncorhynchus mykiss: 0.18-0.22 mg/L [static]
Ecotoxicity - Water Flea Data	
Sodium hypochlorite	7681-52-9 96 Hr EC50 Daphnia magna: 2.1 mg/L; 48 Hr EC50 Daphnia magna: 0.033 - 0.044 mg/L [Static]
Environmental effects	Not available
Aquatic toxicity	Not available
Persistence / degradability	Not available
Bioaccumulation / accumulation	Not available
Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical fate information	Not available

13. Disposal Considerations

Waste codes	Not available
Disposal instructions	Discard after single use. Review federal, state/provincial, and local government requirements prior to disposal. Discard with solid waste. Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

15. Regulatory Information

US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Sodium hypochlorite	7681-52-9	100 Lb final RQ; 45.4 kg final RQ
Trisodium phosphate dodecahydrate	10101-89-0	5000 Lb final RQ; 2270 kg final RQ

U.S. - CWA (Clean Water Act) - Hazardous Substances

Sodium hypochlorite	7681-52-9	Present
Trisodium phosphate dodecahydrate	10101-89-0	Present

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

Trisodium phosphate dodecahydrate: 5000.0000
 Sodium hypochlorite: 100.0000
 Sodium hydroxide: 1000.0000
 Phosphoric acid: 5000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
 Immediate Hazard - Yes
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Clean Air Act (CAA) Not available

Clean Water Act (CWA) Not available

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Sodium hypochlorite	7681-52-9	Present
Trisodium phosphate dodecahydrate	10101-89-0	Present

U.S. - Louisiana - Reportable Quantity List for Pollutants

Sodium hypochlorite	7681-52-9	100 Lb final RQ; 45.4 kg final RQ
Trisodium phosphate dodecahydrate	10101-89-0	5000 Lb final RQ; 2270 kg final RQ

U.S. - Massachusetts - Right To Know List

Sodium hypochlorite	7681-52-9	Present
Trisodium phosphate dodecahydrate	10101-89-0	Present

U.S. - Minnesota - Hazardous Substance List

Sodium hypochlorite	7681-52-9	Present
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U.S. - New Jersey - Right to Know Hazardous Substance List

Sodium hypochlorite	7681-52-9	sn 1707
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U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

Sodium hypochlorite	7681-52-9	100 Lb RQ (air); 100 lb RQ (land/water)
Trisodium phosphate dodecahydrate	10101-89-0	5000 Lb RQ (air); 100 lb RQ (land/water)

U.S. - Pennsylvania - RTK (Right to Know) List

Sodium hypochlorite	7681-52-9	Environmental	hazard
Trisodium phosphate dodecahydrate	10101-89-0	Environmental	hazard

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
Recommended use	It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Further information	Not for use on skin. Not a baby wipe. For use on hard surfaces only.
Issue date	03-March-2011
Effective date	03-March-2011
Prepared by	Nice-Pak Products, Inc. (845) 365-1700
Other information	For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

1. IDENTIFICATION

Product Name: PDI Sani-Cloth Bleach Germicidal Disposable Wipe

SDS 0094-00

Date of Preparation: December 12, 2017

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

This product is a clear white liquid with a chlorine odor impregnated on a wipe. There is a small amount of liquid on the wipes and no free liquid in the packages.

GHS Classification:

Physical	Health	Environmental
Not Classified	Not Classified	Not Classified

Label Elements:

None Required

Hazard Statements:

Not Required

Precautionary Statements:

Not Required

Other Hazards: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Sodium Hypochlorite	7681-52-9	0.63%

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: 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 with liquid may cause slight eye 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: Product will burn under fire conditions. Combustion may produce oxides of carbon and phosphorus, and chlorine gas.

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. Contain runoff.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid prolonged contact with eyes. 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: Do not reuse towelette. Pick up wipe and place in an appropriate container for disposal. If used, place in a container for infectious waste disposal. Do not flush in toilet.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes. Wear protective clothing and equipment as described in Section 8. Wash hands thoroughly with soap and water after use. Keep containers closed when not in use. Refer product label for additional information on use and handling.

Dispenser or Container Disposal: Nonrefillable container. Do not reuse or refill this container. Dispose in accordance with all local, state and federal regulations.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, dry location away from incompatible materials. Do not contaminate water, food or feed by storage or disposal. For containers: When not in use keep center cap of lid closed to prevent moisture loss.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Non-Hazardous Components	None Established
Sodium Hypochlorite	2 mg/m3 STEL AIHA WEEL

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: Use disposable protective gloves to prevent prolonged skin contact.

Eye Protection: None required under normal use conditions.

Other: None required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear white liquid saturated on a wipe	Flammable limits: LEL: Not applicable UEL: Not applicable
Odor: Chlorine odor	Vapor pressure: Not available
Odor Threshold: Not applicable	Vapor density: Not available
pH: 12.5 (Saturant)	Relative density: 1.018 (Saturant)
Melting point/freezing point: 0°C (32°F) (Saturant)	Solubility(ies): Saturant- infinite
Boiling point/range: 100°C (212°F) (Saturant)	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.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur. Product may react in contact with acids or strong oxidizing agents. Mixing product with acids or ammonia will create hazardous vapors.

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

Incompatible Materials: Avoid contact with strong oxidizing agents, acids, caustics, and ammonia.

Hazardous Decomposition Products: Thermal decomposition may produce oxides of carbon and phosphorus, and chlorine gas.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: This product is expected to cause minimal irritation to eyes based on test data from the OPPTS 870.2400 Acute Eye Irritation Study which resulted in Toxicity Category III. The test data obtained does not meet the criteria of the GHS for eye irritancy.

Skin: No adverse effects are expected.

Inhalation: Inhalation of high concentrations of vapors may cause upper respiratory tract irritation.

Ingestion: Ingestion is unlikely for solid products. This product contains only a small amount of liquid. No adverse effects are expected.

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:

No toxicity data available for the mixture. The following toxicity data is for the individual components:

Non-Hazardous Components: No toxicity data available

Sodium Hypochlorite: Oral rat LD50: 1100 mg/kg, Inhalation rat LC50: >10.5 mg/L/1hr, Dermal rabbit LD50: >20 g/kg

12. ECOLOGICAL INFORMATION

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

Sodium Hypochlorite: 96 hr LC50 Coho Salmon: 0.032 mg/L, 48 hr EC50 Daphnia magna: 141 ug/L (M-Factor Acute: 10)

This product is expected to be 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

Towelette Disposal: Do not reuse towelette. Dispose of used towelette in trash. Do not flush in toilet.

Dispenser or Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling. If recycling is not available, put in trash collection.

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	None	Not Regulated	None	None	Not applicable
IMDG	None	Not Regulated	None	None	Not applicable
IATA	None	Not Regulated	None	None	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
CAUTION
PRECAUTIONARY STATEMENTS
Hazards to Humans & Domestic Animals

Caution: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Physical or chemical hazard: This product contains bleach. Do not use this product with other chemicals such as ammonia, toilet bowl cleaners, rust removers, or acid, as this releases hazardous gases.

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: Not Hazardous

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 #9480-8. However, all of the ingredients of this product are listed on the TSCA inventory.

16. OTHER INFORMATION

HMIS Ratings: Health – 0

Flammability – 0

Physical Hazard - 0

NFPA Ratings: Health – 0

Flammability – 0

Instability – 0

SDS Revision History: Revision 1 updated section 13

Date of preparation: December 12, 2017

Date of last revision: - August 12, 2016