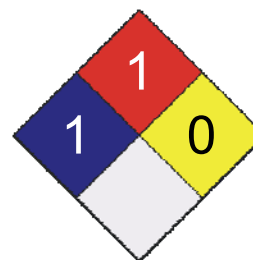


## 1. Product and Company Identification

**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<br>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****General advice**

Treat patient symptomatically.

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

---

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

---

## 6. Accidental Release Measures

---

|                                |                                                                                                                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>    | 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. |
| <b>Methods for containment</b> | Prevent entry into waterways, sewers, basements or confined areas.                                                                                                                                                                  |
| <b>Methods for cleaning up</b> | Pick up and discard towel.                                                                                                                                                                                                          |
| <b>Other information</b>       | Pick up and discard towel.                                                                                                                                                                                                          |

---

## 7. Handling and Storage

---

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

---

## 8. Exposure Controls / Personal Protection

---

|                                   |                                                                           |
|-----------------------------------|---------------------------------------------------------------------------|
| <b>Exposure limits</b>            |                                                                           |
| <b>Ingredient(s)</b>              | <b>Exposure Limits</b>                                                    |
| Sodium hypochlorite               | <b>ACGIH-TLV</b><br>Not established<br><b>OSHA-PEL</b><br>Not established |
| Trisodium phosphate dodecahydrate | <b>ACGIH-TLV</b><br>Not established<br><b>OSHA-PEL</b><br>Not established |
| <b>Engineering controls</b>       | 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

---

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

---

## 10. Stability and Reactivity

---

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

---

## 11. Toxicological Information

---

|                      |                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Acute effects</b> | Acute LD50: >5000 mg/kg, Rat, Oral<br>Acute LD50: >5000 mg/kg, Rabbit, Dermal<br>Acute LC50: >2.35 mg/l/4h, Rat, Inhalation |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------|

**Component analysis - LC50**

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

---

**Component analysis - Oral LD50**

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

## 12. Ecological Information

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

## 13. Disposal Considerations

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

#### U.S. - New Jersey - Right to Know Hazardous Substance List

|                     |           |         |
|---------------------|-----------|---------|
| Sodium hypochlorite | 7681-52-9 | sn 1707 |
|---------------------|-----------|---------|

#### 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

---

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disclaimer</b>          | 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. |
| <b>Recommended use</b>     | It is a violation of Federal law to use this product in a manner inconsistent with its labeling.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Further information</b> | Not for use on skin. Not a baby wipe. For use on hard surfaces only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Issue date</b>          | 03-March-2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Effective date</b>      | 03-March-2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Prepared by</b>         | Nice-Pak Products, Inc. (845) 365-1700                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Other information</b>   | For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |