



# MATERIAL SAFETY DATA SHEET

PIG® Pre-Moistened Hand & Surface Wipers

(MSD-093)

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**1. Product And Company Identification**

**Product Identifier:** PIG® Pre-Moistened Hand & Surface Wipers  
**General Use:** PIG® Pre-Moistened Hand & Surface Wipers are used to remove oil, paint, grease, tar, dirt etc. from hands when water is not available or when using at a workstation.  
**Product Description:** Opaque white liquid with a fresh citrus scent, saturated onto towels.  
**COMPANY PROFILE:** **EMERGENCY TELEPHONE:**  
 New Pig Corporation                      INFOTRAC  
 One Pork Avenue                         200 North Palmetto Street  
 Tipton, PA 16684-0304                Leesburg, FL 34748  
 Information Number                    24 hrs, 7 days/week  
 1-800-468-4647                         1-800-535-5053

**4. First Aid Measures**

**Eye Contact:** Flush with plenty of water for at least 15 minutes lifting eyelids to insure complete removal. Contact a physician immediately.  
**Ingestion:** If a large quantity of toweling is swallowed, do not induce vomiting. Call a physician or poison control center immediately.  
**Inhalation:** None usually required. If overexposed, move to fresh air. If symptoms develop, seek medical attention.  
**Skin Contact:** None usually required. Material is designed for skin cleansing. If symptoms develop, seek medical attention.

**2. Composition/Information on Ingredients**

<u>Components</u>	<u>wt. %</u>	<u>CAS Registry #</u>
Water	80-90	7732-18-5
d-Limonene	1-5	5989-27-5
Ethyl alcohol	1-5	64-17-5
Polyoxyethylated (4) isodecyl alcohol	1-5	61827-42-7
Polyoxyethylene (20) sorbitan monolaurate	1-3	9005-64-5
<i>Towels:</i>		
Polypropylene	100	9003-07-0

**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):**  
 EXPOSURE LIMITS 8 hrs. TWA (ppm)  
   OSHA PEL                      ACGIH TLV

d-Limonene	30 ppm*	N.E.
Ethyl alcohol	1000 ppm	1000 ppm

\* American Industrial Hygienists Association Workplace Environmental Exposure Level  
 N.E. = Not Established

**5. Fire Fighting Measures**

**Flash Point:** Not available    **Method:** Not applicable  
**Auto Ignition Temperature:** Not available  
**Flammable Limits:** Not established  
**Conditions of Flammability:** Not established  
**Explosive Properties:** None  
**Extinguishing Media:** Use carbon dioxide, dry chemical, foam, fog or water spray.  
**Special Fire Fighting Procedures:** Wear full protective clothing and a NIOSH approved SCBA, with a full-face piece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways.  
**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, formaldehyde and other irritating fumes and smoke.  
**Unusual Hazards:** None known

**6. Accidental Release Measures**

**Spill or Leak Procedures:** Place towels in a container.

**3. Hazards Identification**

**POTENTIAL HEALTH EFFECTS:**  
**Eye Contact:** Direct eye contact may cause moderate to severe irritation.  
**Ingestion:** Not a likely exposure route. Irritation of the throat or stomach, nausea, vomiting and diarrhea, if swallowed.  
**Inhalation:** Unlikely route, as liquid is impregnated on a towel, minimizing exposure. If high concentrations of vapors or mist are formed, may cause irritation to the nose, throat and upper respiratory tract.  
**Skin Contact:** Causes skin irritation. Pre-existing skin conditions such as dermatitis may be adversely affected by this and other oil and grease effective cleaners. D-Limonene is a known skin sensitizer.  
**Chronic:** Not established

**7. Handling and Storage**

**Handling and Storage Precautions:** Do not allow towel contact with eyes. For external use only. Not for use around the mouth or eyes for an extended period of time. Do not smoke while using. Do not use if pre-existing skin conditions exist.  
**Storage Temperature:** Room temperature  
**Storage Pressure:** Not applicable  
**Shelf Life:** One year  
**General:** Follow label directions carefully. Keep away from heat sources. Keep out of reach of children. Keep container tightly sealed when not in use. Do not contaminate water, food, or feed by use or storage. The container can be hazardous when empty. Follow label cautions even after the container is empty. Do not re-use empty containers for food, clothing or products for human or animal consumption, or where skin contact can occur.



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## 8. Exposure Controls/Personal Protection

**Engineering Controls:** Provide general ventilation to keep concentrations below PEL/TLV. Local exhaust not usually needed.

### PERSONAL PROTECTION

**Eyes:** Not usually necessary, but good industrial practice. Do not allow towel to directly contact eyes.

**Respirator:** Not usually necessary. Use NIOSH/MSHA approved respirator if PELs or TLVs are exceeded.

**Gloves:** Not normally required.

**Other:** Additional protection not normally required.

## 9. Physical and Chemical Properties (of the Liquid)

**Appearance:** Opaque white liquid

**Physical State:** Liquid saturated onto towels

**Odor:** Fresh citrus scent      **Odor Threshold:** Not available

**Vapor Pressure:** Not available

**Vapor Density:** Not available      **Specific Gravity:** 0.9665

**Solubility in Water:** Soluble

**Coefficient of Water/Oil Distribution:** Not available

**pH:** 5.2 ± 0.5      **Boiling Point:** Not available

**Evaporation Rate:** Not available

**Melting Point:** Not available      **VOC:** Not available

## 10. Stability and Reactivity

**General:** This is a stable material.

**Conditions of Reactivity:** Not established

**Incompatible Materials:** Strong oxidizers (chlorine, peroxides, etc.) and strong acids (sulfuric acid).

**Conditions to Avoid:** Extreme heat, direct flame and contact with incompatible materials.

**Hazardous Decomposition:** None known. Refer to Hazardous Combustion Products, Section 5.

**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

**LD50:** Not available      **LC50:** Not available

**Carcinogenicity:** IARC: Not established

National Toxicology Program: Not established

OSHA: Not established

California Prop 65: Ethyl alcohol (in alcoholic beverages)

**Reproduction Toxicity, Teratogenicity, and Mutagenicity:** Ethanol may cause mutations to germ (reproductive) cells and somatic (non-reproductive) cells, based on animal data.

**Synergistic Products:** Not available

**Irritancy of Product:** See Section 3.

**Sensitization to Product:** Prolonged or repeated contact may cause skin sensitization, with symptoms including swelling, rash, eczema.

**D'Limonene:** Skin: The dermal LD50 for rabbits is >5 g/kg

Oral: The oral LD50 for rats is 4.4 g/kg

**Ethyl Alcohol:** Oral: The oral LD50 for rats is 7.06 g/kg

Inh: The LC50 for mice is 21,000 ppm (4hr)

## 12. Ecological Information

The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. Do not discharge product unmonitored into the environment.

## 13. Disposal Considerations

**Waste Disposal Method:** Dispose of in accordance with federal, state and local regulations. If this product becomes a waste, it would not be a hazardous waste as defined by RCRA (40 CFR 261). However, the waste should be properly characterized to evaluate whether its composition has been modified prior to disposal.

## 14. Transport Information

**DOT (Department of Transportation):**

**Proper Shipping Name:** Not regulated

**Hazard Class:** None

**Identification Number:** Not applicable

## 15. Regulatory Information

**CERCLA (Comprehensive Environmental Response**

**Compensation and Liability Act):** No Reportable Quantity

**OSHA Hazard Communication Standard, 29 CFR 1910.1200:** No listed ingredient

**SARA Title III (Superfund Amendments and Reauthorization Act):** No listed ingredient

**TSCA (Toxic Substances Control Act):** All ingredients are listed.

## 16. Other Information

**HMIS Hazard Ratings:**      **Health - 1**

**none → extreme**

**0 → 4**

**Fire - 0**

**Reactivity - 0**

**PPE - none**

**Reason for Issue:** Product Name Change. Since 02/02/2007, ingredients change, changes to Sections 2, 3, 5, 9, 10, 11, 12 and 16.

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**Approved by:** Lisa Baxter, New Pig Corporation

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