



MATERIAL SAFETY DATA SHEET

PIG® Pre-Moistened Hand & Surface Wipers (MSD-184)

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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
Website: www.newpig.com, Email: hothogs@newpig.com	

2. 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

3. 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

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.

4. First Aid Measures (Continued)

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.

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.

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.

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.



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8. Exposure Controls/Personal Protection (Continued)

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.

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

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.

11. Toxicological Information (Continued)

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: Reviewed, added or moved information in Sections 1, 2, 3, 8 and 16 in preparation for the new GHS format.

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