

## Material Safety Data Sheet

---

### Section 1 Chemical Product and Company Identification

---

#### Manufacturer

Federal Process Corporation  
4520 Richmond Road  
Cleveland OH 44128  
1-800-846-7325

Emergency Telephone Number: Call Chemtrec at 1-800-424-9300

Product Identifier: Tub-O-Towels  
Product Description: Hand cleaning pre moistened towels.

---

### Section 2 Hazards Identification

---

PHYSICAL STATE: Liquid  
COLOR: Light yellow, opaque  
ODOR: Fruity orange

\*\*\*Emergency Overview\*\*\*: WARNING! Causes eye irritation. Prolonged or repeated contact may dry skin and cause irritation. Harmful if swallowed.

#### POTENTIAL HEALTH EFFECTS:

ROUTES OF EXPOSURE: Eyes. Ingestion. Inhalation. Skin.

TARGET ORGANS: No Data

EYE CONTACT: May cause moderate to severe irritation.

SKIN CONTACT: May cause mild irritation. Prolonged and repeated contact with skin can cause defatting and drying of the skin which may result in skin irritation and dermatitis. Contact may cause sensitization.

SKIN ABSORPTION: No absorption hazard expected under normal use.

INHALATION: Vapors or mists may irritate: nose, throat, respiratory tract. Excessive exposure may cause headache.

INGESTION: Do not swallow. Harmful if swallowed. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE TO PRODUCT: Eye disorders. Skin disorders. Upper respiratory disorders.

OTHER: None known.

CANCER INFORMATION: This product does not contain greater than 0.1% of the known or potential carcinogens listed in NTP, IARC, or OSHA.

POTENTIAL ENVIRONMENTAL EFFECTS: See Section 12.

---

### Section 3 Composition/Information on Ingredients

---

Additional information is provided in the Regulatory section of this document for Sara 313, California Proposition 65, and various state right-to-know laws.

Contains:	CAS #	OSHA HAZARD	% by weight
d-Limonene	5989-27-5	YES	3 – 7%
Dimethyl Glutarate	1119-40-0	YES	1 – 6%
Dimethyl Adipate	627-93-0	YES	0 – 3 %
Dimethyl Succinate	106-65-0	YES	0 – 3%

Poly (oxy-1,2-ethanediyl), (Alpha-(4-nonylpheny)-omega-hydroxy	127087-87-0	YES	0 – 1%
Diethanolamine	111-42-2	YES	< 1.0%

---

## Section 4 First Aid Measures

---

**INHALATION:** Remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation occurs.

**INGESTION:** If swallowed, call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

**EYES** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate attention.

**SKIN:** Flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention.

---

## Section 5 Fire Fighting Measures

---

**EXTINGUISHING MEDIA:** Foam (Aqueous Film Forming Foam) , dry chemical, carbon dioxide.

**FIRE FIGHTING METHODS:** Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers.

**FIRE AND EXPLOSION HAZARDS:** Material will burn in fire, releasing toxic vapors. This material may produce a floating fire hazard.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide. Carbon monoxide.

**FLASH POINT:** > 200 degrees F. (estimated)

**LOWER FLAMMABLE LIMIT:** No data

**UPPER FLAMMABLE LIMIT:** No data

**AUTOIGNITION TEMPERATURE:** No data

---

## Section 6 Accidental Release Measures

---

**SPILL CLEAN-UP PROCEDURES:** Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit. Contain spill, place into drums for proper disposal. Soak up residue with inert absorbent material. Place in non-leaking containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. CAUTION: Spilled material may be slippery.

---

## Section 7 Handling and Storage

---

**HANDLING:** Avoid eye contact. Do not swallow. Avoid prolonged contact with skin. Use with adequate ventilation. Do not eat, drink, or smoke in work area.

**STORAGE:** Store in a cool, well ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Do not freeze.

---

## Section 8 Exposure Controls/Personal Protection

---

ENGINEERING CONTROLS: Maintain adequate ventilation. Do not use in closed or confined space.  
RESPIRATORY PROTECTION: None required under normal use.

EYE/FACE PROTECTION: Not required for normal use.

SKIN PROTECTION: Not required for normal use.

OTHER PROTECTIVE EQUIPMENT: Eye-wash station. Safety shower.

GENERAL HYGIENE CONSIDERATIONS: Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking.

EXPOSURE GUIDELINES: COMPONENT	-----OSHA-----		-----ACGIH-----	
	PEL	STEL/C	TWA	STEL/C
d-Limonene	Not Estab.	Not Estab.	Not Estab.	Not Estab.
Dimethyl Glutarate *	Not Estab.	Not Estab.	Not Estab.	Not Estab.
Dimethyl Adipate *	Not Estab.	Not Estab.	Not Estab.	Not Estab.
Dimethyl Succinate *	Not Estab.	Not Estab.	Not Estab.	Not Estab.
Poly (oxy-1,2-ethanediyl), Alpha-(4-nonylphenyl)-omega-hydroxy-, Diethanolamine	Not Estab.	Not Estab.	Not Estab.	Not Estab.
	3 ppm+	Not Estab.	2 mg/m3-S	Not Estab.

NOTE: \*Dupont's Acceptable Exposure Limit (AEL) is 1.5ppm, 10 mg/m3, 8 hour TWA. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

---

## Section 9 Physical and Chemical Properties

---

BOILING POINT (DEG. F) : N.D.	SPECIFIC GRAVITY: 1.0004 @ 25C
FREEZING POINT (DEG. F) : N.D.	% VOLATILE (WT%): N.D.
MELTING POINT (DEG. F) : N.D.	EVAPORATION RATE: N.D.
VAPOR PRESSURE (MM HG): N.D.	(nBuAc=1)
VAPOR DENSITY (AIR=1) : N.D.	VOC (Wt%) : N.D.
SOLUBILITY IN WATER : SOLUBLE	VOC (LBS/GAL) : N.D.
Ph : 6.2	

---

## Section 10 Stability and Reactivity

---

STABILITY: This product is stable under recommended conditions of storage and handling.

CONDITIONS TO AVOID: Avoid elevated temperatures. WARNING: Do not mix this product with nitrites or other nitrosating agents because a nitrosamine may be formed. Nitrosamines may cause cancer.

INCOMPATIBILITY: Strong oxidizing agents. Peroxides. Halogens or halogen compounds. Acidic agents. Acidic clays. Iodine pentafluoride. Vinyl chloride. Acids. Alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide. Carbon monoxide. Unidentifiable organic materials.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

---

## Section 11 Toxicological Information

---

LD50 ORAL	: No Data
LD50 SKIN	: No Data
LC50 INHALATION	: No Data

---

## Section 12 Ecological Information

---

TOXICOLOGICAL INFORMATION:	No Data Available
CHEMICAL RATE INFORMATION:	No Data Available

---

### Section 13 Disposal Information

---

HAZARDOUS WASTE NUMBERS: N.A.

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is empty. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition.

---

### Section 14 Transportation Information

---

DOT HAZARD CLASS: 9  
PROPER SHIPPING NAME: Environmentally Hazardous Substance, Liquid, N.O.S. (Contains Diethanolamine)  
IDENTIFICATION NUMBER: UN3082  
PACKING GROUP: PGIII  
LABEL REQUIRED: Class 9

Note: This material is not DOT regulated in shipments of less than 32,258 pounds.

---

### Section 15 Regulatory Information

---

FEDERAL REGULATIONS:

TSCA INVENTORY STATUS: All components of this product are on the TSCA Inventory or are exempt from TSCA inventory requirements.

SARA TITLE III SECTION 311/312 CATEGORY:

IMMEDIATE (ACUTE) HEALTH HAZARD: YES  
DELAYED (CHRONIC) HEALTH HAZARD: YES  
FIRE HAZARD : NO  
SUDDEN RELEASE OF PRESSURE HAZARD: NO  
REACTIVE HAZARD: NO

---

### Section 16 Other

---

Prepared by R. L.

*The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. The Federal Process Company makes no warranty, either express or implied, including merchantability and fitness.*

*USER RESPONSIBILITY: Each user should read and understand this information and incorporate it into individual site safety programs in accordance with applicable hazard communication standards and regulations.*