

Safety Data Sheet

Section 1. IDENTIFICATION

Product Identifier

Product Name Tub O' Towels®.

Other means of Identification

Product Code TW-01, TW-40, TW-90.

Recommended Use Hand Cleaning Pre moistened Towels.

Recommended Restrictions None Known.

Manufacturer

Company Name Federal Process Corporation
Address 4520 Richmond Road
Cleveland OH 44128
Telephone 1-800-846-7325

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

Section 2. HAZARDS IDENTIFICATION

PHYSICAL STATE: Liquid

Classification:

Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1

Signal Word: Warning



Hazard Statements:
H319 - Causes serious eye irritation.
H317 - May cause an allergic skin reaction

Precautionary Statements:
Prevention: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 - Contaminated clothing should not be allowed out of the workplace.

Response: P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 - If eye irritation persists: Get medical advice/attention.
 P332 + P313 - If skin irritation or rash occurs: Get medical advice/attention.

Disposal: P501 - Dispose of contents/container to an approved waste disposal plant.

Other Hazards: Toxic to aquatic life with long lasting effects.

Unknown Acute Toxicity: 2% of the mixture consists of ingredient(s) of unknown toxicity.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
d-Limonene	5989-27-5	<0.50
Sodium dioctylsulfosuccinate	577-11-7	<4.0

Section 4. FIRST AID MEASURES

First Aid Measures:

Eye Contact Rinse thoroughly with plenty of water, for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

Skin Contact If skin irritation occurs, rinse affected area with water. If skin irritation or rash occurs: Get medical advice/attention.

Inhalation Remove to fresh air.

Ingestion Clean mouth with water. Get medical attention if symptoms occur.

Most Important Symptoms and effects:

Symptoms Direct contact with eyes may cause temporary irritation.

Indication of any Immediate Medical Attention and Special Treatment:

Notes to Physician Treat symptomatically.

Section 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: Not determined.

Specific Hazards Arising from the Chemical:
Non-flammable solution.

Protective Equipment and Precautions for Firefighters:
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Personal Precautions: Use personal protective equipment as required. Keep unnecessary personnel away.

Methods and Material for Containment and Cleaning Up:

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: Keep in suitable, closed containers for disposal.

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling:

Advice on Safe Handling: Avoid breathing vapors or mists. Contaminated work-clothing should not be allowed out of the workplace.

Conditions for Safe Storage, including Any Incompatibilities:

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials: None known based on information supplied.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

No exposure limits noted for ingredient(s).

Appropriate Engineering Controls:

Engineering Controls: Apply technical measures to comply with the occupational exposure limits.

Individual Protection Measures, such as Personal Protective Equipment:

Eye/Face Protection: Avoid contact with eyes.

Skin and Body Protection: No protective equipment is needed under normal use conditions.

Respiratory Protection: Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State:	Liquid.	Odor:	Light Citrus.
Appearance:	Hazy liquid.	Odor Threshold:	Not available.
Color:	Light straw.		

<u>Property</u>	<u>Values</u>
pH	7.0
Melting Point/Freezing Point	Not determined.
Boiling Point/Boiling Range	Not determined.
Flash Point	None to boiling.
Evaporation Rate	Not determined.
Flammability (Solid, Gas)	n/a-liquid.
Upper Flammability Limit	Not determined.
Lower Flammability Limit	Not determined.
Vapor Pressure	Not determined.
Vapor Density	Not determined.
Specific Gravity	1.00
Water Solubility	Miscible.
Solubility in other Solvents	Not determined.
Partition Coefficient (n-octanol/water)	Not determined.
Auto-ignition Temperature	Not determined.
Decomposition Temperature	Not determined.
Kinematic Viscosity	Not determined.
Explosive Properties	Not determined.
Oxidizing Properties	Not determined.

Section 10. STABILITY AND REACTIVITY

<u>Reactivity:</u>	Not reactive under normal conditions.
<u>Chemical Stability:</u>	Stable under recommended storage conditions.
<u>Possibility of Hazardous Reactions:</u>	None under normal processing.
<u>Conditions to Avoid:</u>	Keep out of reach of children.
<u>Incompatible Materials:</u>	None known.
<u>Hazardous Decomposition Products:</u>	None known.

Section 11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure:

Eye Contact:	Causes serious eye irritation.
Skin Contact:	May cause an allergic skin reaction.
Inhalation:	Avoid breathing vapors or mists.
Ingestion:	Do not taste or swallow.

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
d-Limonene (5989-27-5)	-	> 5 g/kg (Rabbit)	-
Dimethyl adipate (627-93-0)	=1920 mg/kg (Rat)	-	-
Sodium dioctylsulfosuccinate (577-11-7)	=1900 mg/kg (Rat)	= 10000 mg/kg (Rabbit)	-
Ethoxylated linear alcohol (68439-46-3)	=1378 mg/kg (Rat)	>2g/kg (Rabbit)	-

Information on physical, chemical and toxicological effects:

Symptoms:	Please section 4 of this SDS for symptoms.
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Delayed and Immediate Effects as Well as Chronic Effects From Short and Long Term Exposure:

Tub O' Towels®

Sensitization: May cause an allergic skin reaction.

Carcinogenicity: Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
d-Limonene (5989-27-5)		Group 3		X

Legend

IARC (International Agency for Research on Cancer).

Group3 IARC components are "not classifiable as human carcinogens".

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical Measures of Toxicity:

Not Determined.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Toxic to aquatic life with lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
d-Limonene 5989-27-5	NO DATA	0.619-0.796:96h Pimephales promelas mg/L. LC50 flow- through 35; 96h Oncorhynchus mykiss Mg/L. LC50	NO DATA	NO DATA
Sodium dioctyl sulfosuccinate 577-11-7	NO DATA	20-40: 96h Oncorhynchus mykiss mg/L. LC50 static 37: 96h Lepomis macrochirus mg/L LC50 static	NO DATA	36:48h Daphnia magna Mg/L EC50

Persistence/Degradability: Not determined.

Bioaccumulation: Not determined.

Mobility: Not determined.

Other Adverse Effects: Not determined.

Section 13. DISPOSAL CONSIDERATIONS

Waste Treatment Method:

Disposal of Wastes:

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging:

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14. TRANSPORT INFORMATION

DOT:

Not regulated.

IATA:

Not regulated.

IMDG:

This material may meet the definition of a marine pollutant.

Section 15. REGULATORY INFORMATION

International Inventories:

Not determined.

U.S. Federal Regulations:

Not determined.

SARA Title 313:

Not determined.

U.S. State Regulations:U.S Right-to-Know Regulations:

Not determined.

Section 16. OTHER INFORMATION

NFPA:	Health Hazards Not determined	Flammability 0	Instability 0	Special Hazards Not determined
HMIS	Health Hazards Not determined	Flammability 0	Instability 0	Special Hazards Not determined

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Tub O' Towels®

DISCLAIMER:

The information in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet.