SAFETY DATA SHEET

Section 1. IDENTIFICATION

Product Identifier

Product Name	Tub O Scrub® Hand Cleaner.

Other means of Identification

Product Code	TS18, TS64.
Recommended Use	Hand Cleaner.
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:

Not Classified

Signal Word: Not Classified

Hazard Statements: None

Precautionary Statements:

Prevention: Not expected to present a hazard during normal use.

Response: Not expected to present any hazard.

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

Other Hazards: None known.

Unknown Acute Toxicity: None known

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
Ethoxylated linear alcohol	68439-46-3	0.50-0.90
Walnut shells	N/A	3.00-6.00

Section 4. FIRST AID MEASURES

First Aid Measures:

Eye Contact: Not expected to present any hazard.

Skin Contact: Not expected to present any hazard. .

Inhalation: Not expected to present any hazard.

Ingestion: Not expected to present any hazard..

Most Important Symptoms and effects:

Symptoms: Direct contact with eyes may cause temporary irritation.

Section 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Not applicable.

Unsuitable Extinguishing Media: Not applicable.

Specific Hazards Arising from the Chemical:
Noxious fumes may be generated at temperatures exceeding 700F (371C).

Protective Equipment and Precautions for Firefighters:
As in any fire, wear self-contained breathing apparatus and other protective clothing. (approved or equivalent) and full protective gear.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Personal Precautions: Not applicable.

Methods and Material for Containment and Cleaning Up:

Methods for Containment: Not applicable.

Methods for Clean-Up: Not applicable.

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling:

Advice on Safe Handling: Avoid prolonged or repeated skin contact. .

Conditions for Safe Storage, including Any Incompatibilities: Not applicable.

Storage Conditions: Not applicable.
KEEP OUT OF REACH OF CHILDREN.

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:

Tub O Scrub® Hand Cleaner.

Engineering Controls: Not applicable.

Individual Protection Measures, such as
Personal Protective Equipment:

Eye/Face Protection:	Avoid contact with eyes. Not applicable.
Skin and Body Protection:	Not applicable. Not an expected route of exposure.
Respiratory Protection:	Ensure adequate ventilation, especially in confined areas.
General Hygiene Considerations:	Handle in accordance with good industrial hygiene and safety practice. Wash exposed areas thoroughly before eating, drinking, smoking or leaving work area. Launder contaminated clothing before reusing.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State:	Liquid.	Odor:	Mild citrus.
Appearance:	White.	Odor Threshold:	Not available.
Color:	Brown specs.		

Property	Values
pH	7.50
Melting Point/Freezing Point	N/A.
Boiling Point/Boiling Range	N/A
Flash Point	N/A..
Evaporation Rate	N/A.
Flammability (Solid, Gas)	N/A.
Upper Flammability Limit	N/A..
Lower Flammability Limit	N/A.
Vapor Pressure	N/A.
Vapor Density	N/A.
Specific Gravity	N/A.
Water Solubility	Dispersible.
Solubility in other Solvents	N/A.
Partition Coefficient (n-octanol/water)	Not determined.
Auto-ignition Temperature	N/A.
Decomposition Temperature	N/A.
Kinematic Viscosity	N/A.
Explosive Properties	N/A.
Oxidizing Properties	N/A.

Section 10. STABILITY AND REACTIVITY

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Reactivity: Not reactive under normal conditions.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None under normal processing.

Conditions to Avoid: Keep out of reach of children.

Incompatible Materials: None known.

Hazardous Decomposition Products: Under recommended usage conditions, hazardous decomposition products are not expected.

Section 11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure:

Eye Contact: Not applicable.

Skin Contact: Avoid prolonged skin contact..

Inhalation: Not considered to be an inhalation hazard.

Ingestion: Do not taste or swallow.

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethoxylated linear alcohol (CAS 68439-46-3)	1378 mg/kg (Rat)	>2g/kg (Rabbit)	N/D
Walnut shells	Not applicable	Not applicable	Not applicable

Information on physical, chemical and toxicological effects:

Symptoms: Please section 4 of this SDS for symptoms.

Delayed and Immediate Effects as Well as Chronic Effects From Short and Long Term Exposure:

Sensitization: Not applicable.

Carcinogenicity: Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethoxylated linear alcohol (CAS68439-46-3)	Not classifiable as a carcinogen.	Not classifiable as a carcinogen.	No Data	No Data

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:

No Data..

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Walnut shells	N/A	N/A	N/A	N/D
Ethoxylated linear alcohol (CAS 68439-46-3)	ErC50 (96 h) 1-10 mg/L	LC50 (96 h) 8.5mg/L Fathead minnow. EC50 (48 h) 5.3 mg/L Daphnia magna.		

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
PROPER SHIPPING NAME:	N/A.
IDENTIFICATION NUMBER:	N/A
IATA:	Not regulated
IMDG:	Not regulated..

Section 15. REGULATORY INFORMATION

International Inventories:	Not determined.
U.S. Federal Regulations:	Not determined.
Petroleum oil SARA 313:	N/A
TSCA Inventory:	Complies.
U.S Right-to-Know Regulations:	Not determined.

Section 16. OTHER INFORMATION

NFPA:	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined
HMIS	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined

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End of Safety Data Sheet