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.
Tub O Scrub® Hand Cleaner.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethoxylated linear alcohol</td>
<td>68439-46-3</td>
<td>0.50-0.90</td>
</tr>
<tr>
<td>Walnut shells</td>
<td>N/A</td>
<td>3.00-6.00</td>
</tr>
</tbody>
</table>

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:

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Odor:</th>
<th>Odor Threshold:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>White</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color:</td>
<td>Brown specs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>7.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limit</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Dispersible</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in other Solvents</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(n-octanol/water)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Section 10. STABILITY AND REACTIVITY

**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:**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethoxylated linear alcohol (CAS 68439-46-3)</td>
<td>1378 mg/kg (Rat)</td>
<td>&gt;2g/kg (Rabbit)</td>
<td>N/D</td>
</tr>
<tr>
<td>Walnut shells</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethoxylated linear alcohol (CAS68439-46-3)</td>
<td>Not classifiable as a carcinogen.</td>
<td>Not classifiable as a carcinogen.</td>
<td>No Data</td>
<td>No Data</td>
</tr>
</tbody>
</table>

Legend
ACGIH (American Conference of Governmental Industrial Hygienists)
IARC (International Agency for Research on Cancer)
NTP (National Toxicology Program of the US Department of Health and Human Services)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Numerical Measures of Toxicity:
Not determined.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:
No Data.

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

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.
Petroleum oil
SARA 313: N/A

TSCA Inventory: Complies.
U.S Right-to-Know Regulations: Not determined.
### Section 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA:</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**Issue Date:** 1st March 2014  
**Revision Date:** 23rd May 2016

**DISCLAIMER:** The information provided 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