



## Safety Data Sheet

**SDS ID: Stock Code TFB**

**Revision date:** October 1, 2014

### Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Tough Boy Towels  
**Synonyms:** None  
**Chemical family:** Hand Cleaner  
**Producer:** J.C. Whitlam Manufacturing Company  
200 West Walnut Street  
P.O. Box 380  
Wadsworth, Ohio 44282-0380  
[www.icwhitlam.com](http://www.icwhitlam.com)

**Telephone:** 330-334-2524 Available during normal business hours

**Emergency:** 330-334-2524

### Section 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Caution – May cause eye and skin irritation.

**Inhalation:** May cause mild irritation. May irritate nose, throat and/or respiratory tract.  
May cause coughing.

**Ingestion:** May cause mild irritation. May cause vomiting.

**Skin contact:** May cause mild to moderate irritation. Prolonged and repeated contact with skin can cause defatting and drying of the skin which may result in skin irritation and dermatitis.

**Eye contact:** May cause mild to moderate irritation.

**Carcinogenic** This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

### Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### Material information:

Name	CAS No.	Weight %
Citrus Terpenes	94266-47-4	< 3%
Alcohols, C9-11, Ethoxylated	68439-46-3	< 3%

## Section 4. FIRST AID MEASURES

- Inhalation:** Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.
- Skin contact:** Not a perceived hazard. Wash with water.
- 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 the lungs. Rinse mouth with fresh water. Do not leave victim unattended.
- Eye contact:** 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 medical attention. Remove any contact lens at once.

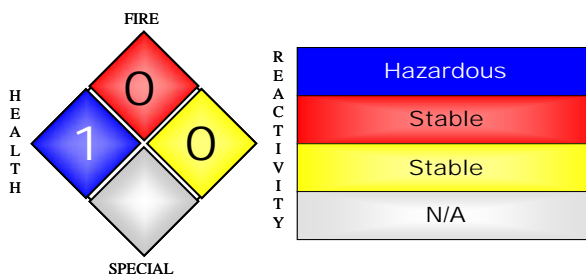
## Section 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** Carbon dioxide, Dry chemical, Foam, Alcohol foam.

**Specific hazards:** None Known

**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.

	NFPA rating:	HMIS rating:
<b>Health:</b>	1	1
<b>Flammability:</b>	0	0
<b>Instability/reactivity:</b>	0	0
<b>Other:</b>	N/A	H (PPE)



## Section 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit. Shut off source of leak if safe to do so.
<b>Methods for Containment and Clean up</b>	Contain spill, place into drums for proper disposal. Soak up residue with inert absorbent material. Place in non-leaking containers for immediate disposal. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

## Section 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling. Always open containers slowly to allow any excess pressure to vent.
<b>Storage:</b>	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. Overheating of an ethoxylate stored under air should be avoided. When an ethoxylate is vigorously mixed in the presence of air or oxygen at temperatures >125F (50C), it can undergo exothermic oxidative degradation.

## Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits: No Components found

Note: AIHA Standard for Citrus Terpenes: 8h TWA=30ppm

Name	CAS No.	ACGIH® TLV® Exposure Limits:	Federal OSHA PELs	OSHA PELs 1989 <sup>c</sup>

**Engineering measures:** General room ventilation is required. To keep exposure below established limits, local exhaust may be necessary. Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly.

### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory protection:** None required under normal use. If ventilation is insufficient, wear: NIOSH-approved air-purifying respirator with: Organic vapor cartridge. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

**Skin and body protection:** Wear gloves and protective clothing depending on condition of use. Protective gloves: Nitrile. Impervious. Neoprene.

**Eye protection:** Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid or airborne material.

**Hygiene measures:** Wash with soap and water before meal times and at the end of each work shift.

**Other precautions:** Eye-wash station, safety shower, rubber boots, protective clothing.

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Translucent, Hazy Hand Towel
<b>Physical state (solid/liquid/gas):</b>	Solid
<b>Substance type (pure/mixture):</b>	Mixture
<b>Color:</b>	Translucent, hazy
<b>Odor:</b>	Citrus
<b>Molecular weight:</b>	N/A
<b>pH:</b>	6.5 (AS IS)
<b>Boiling point/range (5-95%):</b>	N.D.
<b>Melting point/range:</b>	N.D.
<b>Decomposition temperature:</b>	Not Available
<b>Specific gravity:</b>	0.9980 @ 25° C
<b>Vapor density:</b>	N.D.
<b>Vapor pressure:</b>	N.D.
<b>Evaporation rate (Butyl acetate= 1):</b>	N.D.
<b>Flash point:</b>	N/A
<b>Water solubility:</b>	Soluble
<b>VOC Content (SCAQMD Rule 1168 Test Method 316A):</b>	.90
<b>Auto-ignition temperature:</b>	N.D.
<b>Flammable limits in air — lower (%):</b>	N.D.
<b>Flammable limits in air — upper (%):</b>	N.D.

## Section 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Stability:</b>	Stable under normal conditions
<b>Possibly hazardous reactions:</b>	Hazardous polymerization will not occur under normal conditions. To prevent oxidation, avoid long-term exposure to air. If storing partially filled container, fill headspace with an inert gas such as nitrogen or carbon dioxide.
<b>Conditions to avoid:</b>	Oxidation of alcohol ethoxylates may occur under certain conditions. Avoid overheating especially when vigorously mixed with air.
<b>Incompatible Materials:</b>	Strong acids, Acidic clays, Peroxides, Halogens. Iodine pentafluoride, Vinyl chloride, Oxidizing agents, Copper or copper alloys, Alcohols, Amines, materials reactive with hydroxyl compounds and Reactive Metals.
<b>Hazardous decomposition products:</b>	Carbon dioxide. Carbon monoxide. Acrid fumes. Oxides of citrus terpenes, which can result from improper storage and handling, are known to cause skin sensitization. Aldehydes. Flammable hydrocarbon fragments (e.g., acetylene).
<b>Polymerization:</b>	Will not occur.

## Section 11. TOXICOLOGICAL INFORMATION

No components found or no data available for product.

### Product information:

Name	CAS No.	Inhalation:	Dermal:	Oral:

## Section 12. ECOLOGICAL INFORMATION

**Ecotoxicity effects:** No data available

**Persistence and** No data available

**Degradability:**

## Section 13. DISPOSAL CONSIDERATIONS

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

## Section 14. TRANSPORT INFORMATION

Not regulated by the Department of Transportation

## Section 15. REGULATORY INFORMATION

### U.S. federal regulatory information:

TSCA Inventory Status: Pure d-Limonene is listed under TSCA as CAS# 5989-27-5.  
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

SARA Title III Section 311/312 Category Hazards:

<u>Immediate (Acute)</u>	<u>Delayed (Chronic)</u>	<u>Fire Hazard</u>	<u>Pressure Release</u>	<u>Reactive</u>			
Yes	No	No	No	No			
Regulated Components:	<u>CAS</u>	<u>CERCLA</u>	<u>SARA</u>	<u>SARA</u>	<u>U.S.</u>	<u>WI</u>	<u>Prop</u>
<u>Component</u>	<u>Number</u>	<u>RQ</u>	<u>EHS</u>	<u>313</u>	<u>HAP</u>	<u>HAP</u>	<u>65</u>

No components found.

\*Prop 65 - May Contain the Following Trace Components  
None known.

**NOTE:** User must consult with applicable state and local agencies for special specifics, determinations or compliance obligations regarding this product.

## **Section 16. OTHER INFORMATION**

MSDS Abbreviations

N.A. = Not Applicable

N.D. = Not Determined

HAP = Hazardous Air Pollutant

VOC = Volatile Organic Compound

C = Ceiling Limit

N.E./Not Estab. = Not Established

**The information and recommendations contained herein are based upon tests, data, and information resources believed to be reliable. However, the J.C. Whitlam Manufacturing Company, Inc., and its related operations or divisions (Whitlam) do not guarantee the accuracy or completeness, nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of goods, the merchantability of the goods or the fitness of the goods for a particular purpose. Adjustment to conform to actual conditions of usage may be required. Whitlam assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of this data. No warranty against infringement of any patent, copyright or trademark is made or implied.**