




# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	Not controlled under WHMIS (Canada).	Not controlled under the HCS (United States).
WHMIS (Pictograms)	WHMIS (Classification)	HCS

## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b>	<b>Tilly</b>	<b>Code</b>	<b>110</b>
<b>Synonym</b>	Hand Wash Detergent	<b>CAS #</b>	Mixture.
<b>Chemical Family</b>	Not available.	<b>Validation Date</b>	3/2/2007
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	3/23/2007
<b>Manufacturer/ Supplier</b>	Betco Corporation 1001 Brown Avenue Toledo, Oh 43607 (419) 241-2156	<b>In Case of Emergency</b>	Chemtrec (800) 424-9300
<b>TSCA</b>	TSCA Inventory: All components listed or are exempt from listing.		
<b>DSL/ NDSL</b>	All components listed unless noted elsewhere on this MSDS		
<b>Protective Clothing</b>			

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Anionic Surfactant	25155-30-0	5-10	Not available.	Not available.
Anionic Surfactant	68585-34-2	0-5	Not available.	Not available.
Coconut Diethanolamide	8051-30-7	0-5	Not available.	Not available.

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	Mildly irritating to the eyes.
<b>Potential Chronic Health Effects</b>	There is no known effect from chronic exposure to this product.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

## Section 4. First Aid Measures

<b>Eye Contact</b>	In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention.
<b>Skin Contact</b>	No specific data.
<b>Inhalation</b>	No specific data.
<b>Ingestion</b>	Have conscious person drink several glasses of water or milk. Seek medical attention.

### Section 5. Fire Fighting Measures

Products of Combustion Not Applicable

Fire Fighting Media and Instructions N/A

Special Remarks on Fire Hazards N/A

Special Remarks on Explosion Hazards N/A

### Section 6. Accidental Release Measures

Small Spill and Leak N/A

Large Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Personal Protection in Case of a Large Spill Gloves. Safety glasses.

### Section 7. Handling and Storage

Precautions Keep container tightly closed. For Institutional and Commercial Use Avoid contact with eyes.

Incompatibility None known.

Storage Not for use or storage in or around the home. Keep out of the reach of children.

### Section 8. Exposure Controls/Personal Protection

Engineering Controls Good general ventilation should be sufficient to control airborne levels.

#### Personal Protection

*Eyes* No special protective clothing is required.

*Body* No special protective clothing is required.

*Respiratory* No special protective clothing is required.

*Hands* No special protective clothing is required.

Protective Clothing (Pictograms)

Exposure Limits Not available.

### Section 9. Physical and Chemical Properties

Physical State and Appearance Liquid

Odor Pleasant.

Molecular Weight Not applicable.

Taste

pH 7 to 9 [Basic.]

Color Pink

Boiling/Condensation Point 214°F initial

Melting/Freezing Point Not available.

Critical Temperature

Instability Temperature

Specific Gravity 1.03 (Water = 1)

Vapor Pressure 20mm Hg @ 68°F

Vapor Density >1 (Air = 1)

<b>Volatility</b>	75
<b>VOC</b>	Not available.
<b>Evaporation Rate</b>	(Water=1):<1
<b>Dispersion Properties</b>	Dispersed in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.
<b>Solubility</b>	Soluble
<b>The Product is:</b>	Non-flammable.
<b>Auto-ignition Temperature</b>	N/A
<b>Flash Points</b>	None to Boiling
<b>Flammable Limits</b>	Not Applicable
<b>Fire Hazards in Presence of Various Substances</b>	No specific information is available in our database regarding the flammability of this product in presence of various materials.
<b>Explosion Hazards in Presence of Various Substances</b>	Not Applicable

### **Section 10. Stability and Reactivity Data**

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	None known.
<b>Hazardous Decomposition Products</b>	Will not occur.

### **Section 11. Toxicological Information**

<b>Routes of Entry</b>	Not available.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 4610 mg/kg [Rat]. (Nonionic Surfactant).
<b>Acute Effects on Humans</b>	<p><i>Eyes</i> Irritant. Inflammation of the eye is characterized by redness, watering, and itching.</p> <p><i>Skin</i> Non-irritating .</p> <p><i>Inhalation</i> Not available.</p> <p><i>Ingestion</i> May cause gastrointestinal discomfort.</p>
<b>Chronic Effects on Humans</b>	There is no known effect from chronic exposure to this product.
<b>Special Remarks on Toxicity to Animals</b>	Very low toxicity for humans or animals.
<b>Special Remarks on Chronic Effects on Humans</b>	No additional remark.

**Section 12. Ecological Information**

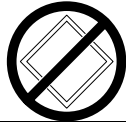
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

**Section 13. Disposal Considerations**

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

**Section 14. Transport Information**

DOT (U.S.A)  
(Pictograms)



TDG Classification Not controlled under TDG (Canada).



PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

**Section 15. Other Regulatory Information and Pictograms**

WHMIS (Classification) Not controlled under WHMIS (Canada).



Regulatory Lists No products were found.

Other Regulations Not available. or of its ingredients

Other Classifications HCS (U.S.A.) Not controlled under the HCS (United States).

USA Regulatory Lists

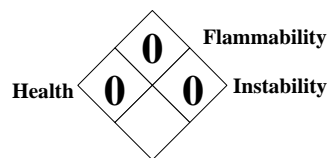
DSD (EEC)

International Regulations Lists No products were found.

**Hazardous Material  
Information System  
(U.S.A.)**

Health	1
Flammability	0
Physical Hazard	0

**National Fire  
Protection  
Association  
(U.S.A.)**



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product. **Specific Hazard**

**Section 16. Other Information**

Validated by CRushton on 3/2/2007.

Verified by CRushton.

Printed 3/23/2007.

**Information Contact Betco Corporation  
1001 Brown Avenue  
Toledo, Ohio 43607**

Notice to Reader:

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

Validated on 3/2/2007.

*Tilly*

**Page: 5/5**

**Continued on Next Page**