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MSDS

**Common Name:** TOUGH GUY HIGH EFFICIENCY FREE AND CLEAR LIQUID LAUNDRY

**Manufacturer:** W.W. GRAINGER

**MSDS Revision Date:** 6/1/2011

**Grainger Item Number(s):** 5ULP8

**Manufacturer Model Number(s):**

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CP INDUSTRIES

MATERIAL SAFETY DATA SHEET

DATE PREPARED: JUNE 1, 2011

## SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION



**PRODUCT IDENTITY:**

TOUGH GUY(TM) HIGH EFFICIENCY FREE AND CLEAR LIQUID LAUNDRY

**MANUFACTURED FOR:**

W.W. GRAINGER, INC.  
 100 GRAINGER PARKWAY  
 LAKE FOREST, IL 60045

TELEPHONE NUMBER FOR INFORMATION: (847) 535-1000

EMERGENCY TELEPHONE NUMBER: (800) 983-4582

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS



SUBSTANCE DESCRIPTION

CAS#

ALCOHOLS (C12-15 LN. SATURATED) ETHOXYLATE 68131-39-5  
LINEAR ALKYL BENZENE SULFONIC ACID 27176-87-0  
SODIUM LAURETH (N=>3) SULFATE 9004-82-4  
OLEIC ACID 112-80-1  
LAURAMINE OXIDE 1643-20-5  
PROPYLENE GLYCOL 57-55-6

**HAZARD RATINGS:**

HEALTH 1 - SLIGHT  
FIRE 0 - MINIMAL  
REACTIVITY 0 - MINIMAL  
SPECIAL NONE

**SECTION 3. HAZARDS IDENTIFICATION**

APPEARANCE AND ODOR: BLUE LIQUID WITH MILD DETERGENT ODOR.

STATEMENT OF HAZARDS: CONTACT MAY CAUSE EYE AND SKIN IRRITATION.

**FIRE AND EXPLOSION HAZARDS:**

NOT FLAMMABLE IN NORMAL CIRCUMSTANCES; HOWEVER, UNDER FIRE CONDITIONS IT MAY DECOMPOSE TO GIVE OFF TOXIC GASES SUCH AS CARBON DIOXIDE, CARBON MONOXIDE, AND VARIOUS HYDROCARBONS.

**PRIMARY ROUTE OF EXPOSURE:**

SKIN AND EYE CONTACT ARE THE PRIMARY ROUTES OF EXPOSURE TO THIS PRODUCT.

SKIN CONTACT - ACUTE: SKIN CONTACT MAY CAUSE MILD IRRITATION.

EYE CONTACT - ACUTE: EYE CONTACT CAN CAUSE IRRITATION.

**INHALATION - ACUTE:**

THIS PRODUCT IS NOT LIKELY TO PRESENT AN INHALATION HAZARD AT NORMAL TEMPERATURES; HOWEVER, THIS PRODUCT CAN BE STIRRED UP TO AN IRRITATING DUST AND AT ELEVATED TEMPERATURES VAPORS, MISTS OR FUMES CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT. INHALATION CAN CAUSE IRRITATION OF MUCOUS MEMBRANES.

INGESTION - ACUTE: INGESTION CAN CAUSE GASTROINTESTINAL IRRITATION.

**SECTION 4. FIRST AID MEASURES****INHALATION FIRST AID:**

INHALATION IS UNLIKELY; HOWEVER, IF IT DOES OCCUR, REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. SEEK MEDICAL ATTENTION.

**SKIN CONTACT FIRST AID:**

WASH OFF WITH WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

**EYE CONTACT FIRST AID:**

IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES HOLDING EYELIDS APART TO ENSURE FLUSHING OF ENTIRE EYE SURFACE. SEEK MEDICAL ATTENTION.

**INGESTION FIRST AID:**

IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION.

**SECTION 5. FIRE FIGHTING MEASURES**

FLASH POINT: GREATER THAN 212.0 F 100.0 C  
FLASH METHOD: PENSKY-MARTEN'S CLOSED CUP

AUTO IGNITION TEMPERATURE: GREATER THAN 302.0 F 150.0 C

UPPER EXPLOSION LIMIT: N/D  
LOWER EXPLOSION LIMIT: N/D

EXTINGUISHING MEDIA:  
REGULAR FOAM, DRY CHEMICAL OR CARBON DIOXIDE. DIRECT APPLICATION OF HIGH PRESSURE WATER STREAMS MAY SCATTER BURNING MATERIAL.

FIRE FIGHTING PROCEDURE:  
AS IN ANY FIRE, PREVENT HUMAN EXPOSURE TO FIRE, SMOKE, FUMES, OR PRODUCTS OF COMBUSTION. EVACUATE NON-ESSENTIAL PERSONNEL FROM THE FIRE AREA. FIREFIGHTERS SHOULD WEAR POSITIVE PRESSURE/PRESSURE DEMAND, SELF-CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING. IF POSSIBLE, REMOVE CONTAINERS FROM THE FIRE AREA. KEEP FIRE EXPOSED CONTAINERS COOL WITH A WATER FOG OR SPRAY TO PREVENT EXCESSIVE HEAT. HIGH PRESSURE WATER MAY SPREAD PRODUCT FROM BROKEN CONTAINERS INCREASING CONTAMINATION OR FIRE HAZARD.

FIRE AND EXPLOSION HAZARD:  
THIS PRODUCT IS NOT DEFINED AS FLAMMABLE OR COMBUSTIBLE; HOWEVER, UNDER FIRE CONDITIONS IT MAY SUPPORT COMBUSTION AND PRODUCE TOXIC OXIDES OF CARBON AND VARIOUS HYDROCARBONS.

OTHER FIRE AND EXPLOSION HAZARDS:  
NO OTHER FIRE OR EXPLOSION HAZARDS OF THIS PRODUCT ARE KNOWN.

NFPA HEALTH RATING 1  
NFPA FLAMMABILITY RATING 0  
NFPA REACTIVITY RATING 0

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

CLEANUP:  
FOR LARGE SPILLS DIKE AREA AND DISPOSE OF ACCORDING TO LOCAL ORDINANCE'S.  
FOR SMALL SPILLS THE MATERIAL CAN BE WIPED UP OR SPRAYED DOWN THE DRAIN.

**SECTION 7. HANDLING AND STORAGE**

HANDLING:  
THIS PRODUCT HAS LOW IRRITATION LEVEL AND SHOULDN'T REQUIRE ANY SPECIAL HANDLING PROCEDURES.

STORAGE:  
CONTAINERS SHOULD BE STORED IN A COOL, DRY AND WELL VENTILATED AREA AWAY FROM STRONG OXIDIZING AGENTS.

MAXIMUM STORAGE TEMPERATURE:  
120.0 F 49.0 C  
SEE GENERAL COMMENTS

GENERAL COMMENTS:  
KEEP CONTAINERS TIGHTLY CLOSED UNTIL READY FOR USE. THE STATED MAXIMUM STORAGE TEMPERATURE IS FOR QUALITY PURPOSES ONLY. TEMPERATURES EXCEEDING 120 F MAY CAUSE COLOR DEGRADATION, AND AN OVERALL DECREASE IN PRODUCT QUALITY.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

RESPIRATORY PROTECTION: NOT AND EXPOSURE ROUTE.

SKIN PROTECTION:  
GLOVES SHOULD BE WORN WHEN EXCESSIVE SKIN CONTACT CANNOT BE AVOIDED.

EYE PROTECTION:  
EYE PROTECTION IS RECOMMENDED IN ALL INDUSTRIAL WORK PLACES.

FOR EXPOSURE LIMITS SEE SECTION 11.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

BOILING RANGE: 212.0 F

VAPOR DENSITY (AIR = 1.0): N/D

DENSITY: 1.03 G/CM3

PERCENT VOLATILE MATTER: N/D

EVAPORATION RATE: N/D

SOLUBILITY IN WATER: COMPLETE

APPEARANCE: YELLOW LIQUID

ODOR: MILD SOAP

PH: 9.0 - 10.0

**SECTION 10. STABILITY AND REACTIVITY**

STABILITY: STABLE

CONDITIONS TO AVOID: EXPOSURE TO HIGH TEMPERATURES

INCOMPATIBILITY: STRONG OXIDIZING AGENTS

DECOMPOSITION: TOXIC OXIDES OF CARBON AND HYDROCARBONS

POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR

**SECTION 11. TOXICOLOGICAL INFORMATION**

EYE CONTACT: MILD IRRITATION.

INHALATION: NOT A LIKELY EXPOSURE ROUTE.

SKIN CONTACT: PROLONGED CONTINUAL EXPOSURE CAN BE IRRITATING.

INGESTION: INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION.

CHRONIC: NO EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE INFORMATION.

**SECTION 12. ECOLOGICAL INFORMATION**

THIS PRODUCT IS THOUGHT TO BE BIODEGRADABLE UNDER MOST DEFINITIONS OF THE

TERM.

### **SECTION 13. DISPOSAL CONSIDERATIONS**



THIS PRODUCT AND/OR ITS COMPONENTS ARE FOUND IN MANY CONSUMER FOOD, DRUG, AND COSMETIC ITEMS. RELEASE TO SANITARY SEWER IN SMALL AMOUNTS IS INHERENT WITH THESE END USES. NO DISPOSAL METHOD SHOULD BE USED WHICH WOULD POSE AN ENVIRONMENTAL OR HUMAN HEALTH THREAT INCLUDING, BUT NOT LIMITED TO POSSIBLE CONTAMINATION OF GROUND OR SURFACE WATERS.

### **SECTION 14. TRANSPORT INFORMATION**



DOT SHIPPING NAME: NOT REGULATED.

### **SECTION 15. REGULATORY INFORMATION**



OSHA CATEGORY: NOT REGULATED.

SARA 313 SUPPLIER NOTIFICATIONS: NOT REPORTABLE.

ALL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY

### **SECTION 16. OTHER INFORMATION**



SPECIAL PRECAUTIONS OR OTHER COMMENTS:  
CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

SPECIAL PRECAUTIONS OR OTHER COMMENTS:  
THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE REGARDLESS OF WHOM IT ORIGINATES WITH. RECIPIENTS ARE ADVISED TO CONFIRM PRIOR TO NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.