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MSDS

**Common Name:** TOUGH GUY GLASS & UTILITY CLEANER**Manufacturer:** W.W. GRAINGER**MSDS Revision Date:** 8/30/2007**Grainger Item Number(s):** 2DBY7**Manufacturer Model Number(s):**

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## MATERIAL SAFETY DATA SHEET

### HMIS (R\*) :

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	A

**IDENTITY:** TOUGH GUY GLASS & UTILITY CLEANER**PART NUMBER:** 2DBY7

### NOTE :

BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, OR NO

INFORMATION IS AVAILABLE, THE SPACE MUST BE MARKED TO INDICATE THAT.

## SECTION 1: COMPANY IDENTIFICATION



MANUFACTURED FOR: W.W. GRAINGER, INC.

ADDRESS (NUMBER, STREET, CITY, STATE, AND ZIP CODE):

100 GRAINGER PARKWAY  
LAKE FOREST, IL 60045

EMERGENCY TELEPHONE NUMBER: 1-800-228-5635

TELEPHONE NUMBER FOR INFORMATION: 1-847-535-5400

SIGNATURE OF PREPARER (OPTIONAL):

## SECTION 2: INGREDIENTS/IDENTITY INFORMATION



COMPONENTS (CHEMICAL IDENTITY, COMMON NAME(S))	CAS NO.	OSHA PEL	ACGIH- TLV	OTHER LIMITS RECOMMENDED	% (OPT.)
ALCOHOL	64-17-5	1000 PPM	1000 PPM		3 - 7%
2-BUTOXYETHANOL	111-76-2	50 PPM-SKIN	25 PPM-SKIN		1 - 5%
ISOBUTANE	75-28-5	800 PPM	800 PPM		1 - 5%
PROPANE	74-98-6	1000 PPM	2500 PPM		<1%

ANY SUBSTANCE LISTED AS HAZARDOUS BY THE STATES OF CALIFORNIA, FLORIDA, ILLINOIS, MICHIGAN, NEW JERSEY, OHIO, PENNSYLVANIA OR TEXAS IS DESCRIBED ABOVE IF KNOWN PRESENT IN REGULATED CONCENTRATIONS.

## SECTION 3: HAZARDS IDENTIFICATION



ROUTE(S) OF ENTRY:

EYES?: YES

INHALATION?: YES

SKIN?: YES

INGESTION?: YES

ACUTE HEALTH HAZARDS:

**WARNING:**

CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY BE ABSORBED THROUGH INTACT SKIN. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. CONTENTS UNDER PRESSURE. USE GOOD CHEMICAL HYGIENE PRACTICES TO AVOID THESE HAZARDS.

CHRONIC HEALTH HAZARDS: NONE KNOWN

**CARCINOGENICITY:**

CHEMICAL: NONE

OSHA: NO

NTP: NO

IARC: NO

**SIGNS AND SYMPTOMS OF EXPOSURE:**

REDNESS, TEARING, BURNING IN EYES. REDNESS, DRYING, CRACKING OF SKIN. DROWSINESS, DIZZINESS, LOSS OF COORDINATION, VOMITING AND ABDOMINAL PAIN IF INGESTED.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

PRE-EXISTING SKIN AND LUNG DISORDERS MAY BE AGGRAVATED BY PROLONGED OR REPEATED OCCUPATIONAL OVEREXPOSURE.

## **SECTION 4: EMERGENCY AND FIRST AID PROCEDURES**



**EYES:**

FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES LIFTING EYELIDS TO INSURE COMPLETE REMOVAL. GET IMMEDIATE MEDICAL ATTENTION.

**INGESTION:**

IF CONSCIOUS, DRINK PLENTY OF WATER. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. DO NOT INDUCE VOMITING UNLESS DIRECTED BY A PHYSICIAN. PRODUCT CONTAINS LESS THAN 0.1 PER CENT METHANOL.

**INHALATION:**

GET TO FRESH AIR. IF BREATHING HAS STOPPED, QUALIFIED PERSONNEL SHOULD ADMINISTER ARTIFICIAL RESPIRATION.

**SKIN:**

WASH WITH SOAP AND WATER. IF IRRITATION ARISES AND PERSISTS, CALL A PHYSICIAN.

## **SECTION 5: FIRE FIGHTING MEASURES**



USA FLAME PROJECTION TEST (ASTM D-3065): 0", NO FLASHBACK

FLAMMABLE LIMITS: NO DATA

LEL: NO DATA

UEL: NO DATA

EXTINGUISHING MEDIA: USE CARBON DIOXIDE, DRY CHEMICAL, OR FOAM.

SPECIAL FIRE FIGHTING PROCEDURES:

KEEP CONTAINERS COOL AND VAPORS DOWN WITH WATER SPRAY. PREVENT RUNOFF FROM ENTERING SEWERS AND PUBLIC WATERWAYS. WEAR SCBA IN CHEMICAL FIRES.

HAZARDOUS PRODUCTS OF COMBUSTION:

CARBON DIOXIDE, CARBON MONOXIDE, VARIOUS HYDROCARBONS, HYDROGEN SULFIDE, SULFUR DIOXIDE, AND SOOT.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

AEROSOL CONTAINER (PRESSURIZED) MAY BURST IF HEATED OVER 120 DEG. F.

## SECTION 6: ACCIDENTAL RELEASE MEASURES



SMALL SPILL:

WIPE UP SMALL RELEASES WITH A DRY ABSORBENT CLOTH OR OTHER ABSORBENT MATERIAL.

LARGE SPILL:

ABSORB LIQUID WITH VERMICULITE, ABSORBENT CLOTH, OR OTHER ABSORBENT MATERIAL. PREVENT MATERIAL FROM ENTERING SEWERS OR DRAINS. VENTILATE AREA AND BLOCK TRAFFIC. ELIMINATE ALL IGNITION SOURCES. TRANSFER CONTAMINATED MATERIAL INTO SUITABLE CONTAINER FOR PROPER DISPOSAL.

## SECTION 7: HANDLING AND STORAGE



HANDLING:

DIRECT SPRAY AWAY FROM FACE. REPLACE CAP WHEN NOT IN USE. DO NOT USE AROUND IGNITION SOURCES SUCH AS HEAT, SPARKS, OPEN FLAME, ETC. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. AVOID INHALING MIST. DO NOT DELIBERATELY CONCENTRATE AND INHALE VAPORS. USE WITH ADEQUATE VENTILATION.

STORAGE:

FOLLOW LABEL DIRECTIONS CAREFULLY. KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL (UNDER 120 DEG. F) DRY LOCATION AWAY FROM HEAT, SPARKS, OPEN FLAME, AND DIRECT SUNLIGHT. REPLACE CAP WHEN NOT IN USE.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



EYE PROTECTION:

YES, IF DIRECT CONTACT IS POSSIBLE USE APPROVED SAFETY GLASSES OR GOGGLES (ANSI Z87).

SKIN PROTECTION: NOT USUALLY NECESSARY.

RESPIRATORY PROTECTIONS:

NOT USUALLY NECESSARY. USE WITH ADEQUATE VENTILATION. USE NIOSH/MSHA APPROVED RESPIRATOR IF PELS OR TLVS ARE EXCEEDED.

ENGINEERING CONTROLS:

VENTILATION NOT USUALLY NECESSARY BUT SHOULD BE PROVIDED IN THE EVENT OF OVEREXPOSURE.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



APPEARANCE AND ODOR:

CLEAR COLORLESS LIQUID WITH A FRESH FLORAL SCENT IN AN AEROSOL CAN.

pH: 10.2 +/- 0.5

SPECIFIC GRAVITY (70 DEG. F): 0.993

BOILING POINT: 212 DEG. F

MELTING POINT: NO DATA

EVAPORATION RATE (BUTYL ACETATE = 1): NO DATA

PRESSURE (PSIG. @ 70 DEG. F): 60 +/- 5

VAPOR DENSITY (AIR = 1): >1

SOLUBILITY IN WATER: COMPLETE

VOLATILE ORGANIC COMPOUNDS (VOCS):

108.4 GRAMS PER LITER OR 11.2% BY WEIGHT VOCS

## SECTION 10: STABILITY AND REACTIVITY



HAZARDOUS POLYMERIZATION:

THIS PRODUCT WILL NOT UNDERGO HAZARDOUS POLYMERIZATION.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

CARBON DIOXIDE, CARBON MONOXIDE, AND VARIOUS HYDROCARBONS.

CHEMICAL STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS AND ALKALIS.

## SECTION 11: TOXICOLOGICAL INFORMATION



NO DATA

## SECTION 12: ECOLOGICAL INFORMATION



NO DATA

## SECTION 13: DISPOSAL CONSIDERATION



### DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

### RCRA WASTE INFORMATION:

IF THIS PRODUCT BECOMES A WASTE, IT WOULD NOT BE A HAZARDOUS WASTE AS DEFINED BY RCRA (40 CFR 261). HOWEVER THE WASTE SHOULD BE PROPERLY CHARACTERIZED TO EVALUATE WHETHER ITS COMPOSITION HAS BEEN MODIFIED PRIOR TO DISPOSAL.

## SECTION 14: TRANSPORT INFORMATION



### DOT INFORMATION - 49 CFR 172.101:

PROPER SHIPPING DESCRIPTION: CONSUMER COMMODITY

HAZARD CLASS: ORM-D

IDENTIFICATION NUMBER: NONE

PACKING GROUP: NONE

### WATER TRANSPORTATION:

PROPER SHIPPING DESCRIPTION: AEROSOLS

HAZARD CLASS: 2

IDENTIFICATION NUMBER: UN 1950

PACKING GROUP: NONE

### AIR TRANSPORTATION:

PROPER SHIPPING DESCRIPTION: AEROSOLS, NON-FLAMMABLE

HAZARD CLASS: 2.2

IDENTIFICATION NUMBER: UN 1950

PACKING GROUP: NONE

RQ (REPORTABLE QUANTITY) - 49 CFR 172.101: NOT APPLICABLE

MARINE POLLUTANTS: NONE

## SECTION 15: REGULATORY INFORMATION



US FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCES CONTROL ACT) STATUS:

ALL INGREDIENTS ARE ON THE TSCA INVENTORY OR ARE NOT REQUIRED TO BE LISTED ON THE TSCA INVENTORY.

CERCLA RQ - 40 CFR 302.4 (A): NONE LISTED

SARA 313 COMPONENTS - 40 CFR 372.65:

2-BUTOXYETHANOL (CAS# 111-76-2) 1.9%

STATE AND LOCAL REGULATIONS:

CALIFORNIA PROPOSITION 65: NONE

**SECTION 16: ADDITIONAL INFORMATION**



DATE PREPARED: 08/30/07

WARNING!

THE USE OF THIS PRODUCT IS BEYOND THE CONTROL OF THE MANUFACTURER; THEREFORE, NO GUARANTEE, EXPRESSED OR IMPLIED, IS MADE AS TO THE EFFECTS OF SUCH OR THE RESULTS TO BE OBTAINED IF NOT USED IN ACCORDANCE WITH DIRECTIONS OR ESTABLISHED SAFE PRACTICE. THE USER MUST ASSUME ALL RESPONSIBILITY, INCLUDING INJURY OR DAMAGE, RESULTING FROM ITS MISUSE AS SUCH, OR IN COMBINATION WITH OTHER MATERIALS. THE MANUFACTURER WARRANTS ONLY THAT THIS PRODUCT MEETS THE MANUFACTURER'S SPECIFICATIONS FOR SUCH PRODUCT. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY. FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE IMPROPER USE OF THIS PRODUCT. THE SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER FOR BREACH OF WARRANTY SHALL BE REIMBURSEMENT OF THE PURCHASE PRICE OF THE PRODUCT IN THE EVENT THAT A DEFECTIVE CONDITION OF THE PRODUCT SHALL BE FOUND TO EXIST. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.