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MSDS

Common Name: TOUGH GUY DISINFECTANT SPRAY**Manufacturer:** W.W. GRAINGER**MSDS Revision Date:** 8/30/2007**Grainger Item Number(s):** 2DBX6**Manufacturer Model Number(s):**

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MATERIAL SAFETY DATA SHEET

HMIS (R*) :

HEALTH 2

FLAMMABILITY 3

REACTIVITY 0

PERSONAL PROTECTION B

IDENTITY: TOUGH GUY DISINFECTANT SPRAY

PART NUMBER: 2DBX6

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.)
ETHANOL	64-17-5	1000 PPM	1000 PPM		60 - 100%
ISOBUTANE	75-28-5	800 PPM	800 PPM		10 - 30%
PROPANE	74-98-6	1000 PPM	2500 PPM		1 - 5%
ORTHOPHENYLPHENOL	90-43-7	NONE	NONE		<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. WILL CAUSE EYE IRRITATION UPON EXPOSURE AND SKIN IRRITATION WITH PROLONGED EXPOSURE. CAN BE HARMFUL IF SWALLOWED OR IF SPRAY MIST IS INHALED.

CHRONIC HEALTH HAZARDS: NONE KNOWN

CARCINOGENICITY:

CHEMICAL: NONE

OSHA: NO

NTP: NO

IARC: NO

SIGNS AND SYMPTOMS OF EXPOSURE:

IF IN EYES: BURNING SENSATION, WATERING, OR REDNESS.

IF ON SKIN:

REDNESS, IRRITATION, OR BURNING SENSATION WITH PROLONGED EXPOSURE.

IF SPRAY MIST IS INHALED:

COUGHING, STUPOR, DROWSINESS OR LOSS OF CONSCIOUSNESS WITH PROLONGED

BREATHING OF VAPORS.

IF SWALLOWED: POSSIBLE GASTROINTESTINAL IRRITATION OR DISTURBANCE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
PRE-EXISTING SKIN CONDITIONS MAY BE AGGRAVATED.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES



EYES:

FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES LIFTING EYELIDS TO INSURE COMPLETE REMOVAL. SEE A PHYSICIAN IMMEDIATELY.

INGESTION:

IF PATIENT IS CONSCIOUS AND ALERT, DILUTE BY DRINKING LARGE QUANTITIES OF WATER. DO NOT INDUCE VOMITING WITHOUT MEDICAL ADVICE. ALWAYS GET MEDICAL ATTENTION WHEN PRODUCT IS SWALLOWED OR WHEN SYMPTOMS ARE SIGNIFICANT OR PERSIST.

INHALATION:

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

SKIN:

FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. REMOVE AND LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. IF IRRITATION ARISES AND PERSISTS, CALL A PHYSICIAN.

SECTION 5: FIRE FIGHTING MEASURES



USA FLAME PROJECTION TEST: >18", NO FLASHBACK (FLAMMABLE)

FLAMMABLE LIMITS: NO DATA

LEL: NO DATA

UEL: NO DATA

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

SPECIAL FIRE FIGHTING PROCEDURES:

USE WATER SPRAY TO KEEP CONTAINERS COOL AND VAPORS DOWN. DO NOT ALLOW RUNOFF TO ENTER SEWERS OR PUBLIC WATERCOURSES. WEAR SELF-CONTAINED BREATHING APPARATUS IN CHEMICAL FIRES.

HAZARDOUS PRODUCTS OF COMBUSTION: CARBON DIOXIDE AND CARBON MONOXIDE

UNUSUAL FIRE AND EXPLOSION HAZARDS:

AEROSOL CONTAINER (PRESSURIZED) MAY BURST IF HEATED OVER 130 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. TRANSFER CONTAMINATED MATERIAL INTO SUITABLE

CONTAINER FOR PROPER DISPOSAL.

SECTION 7: HANDLING AND STORAGE



HANDLING:

DO NOT GET IN EYES, ON SKIN OR CLOTHING. WASH THOROUGHLY AFTER HANDLING.
DO NOT SWALLOW. USE WITH ADEQUATE VENTILATION.

STORAGE:

STORE IN A COOL WELL VENTILATED AREA. KEEP AWAY FROM HEAT SOURCES. KEEP
OUT OF REACH OF CHILDREN. DO NOT STORE NEAR IGNITION SOURCES OR AT
TEMPERATURES ABOVE 120 DEG. KEEP CAP ON CONTAINER WHEN NOT IN USE.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



EYE PROTECTION: YES, GOGGLES OR APPROVED SAFETY GLASSES (ANSI Z87).

SKIN PROTECTION: YES IMPERVIOUS (I.E. NITRILE, RUBBER)

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 LIQUID WITH AN ALCOHOL AND FLORAL SCENT IN AN AEROSOL CAN.

pH: 9.5 +/- 0.5

SPECIFIC GRAVITY (70 DEG. F): 0.825

BOILING POINT: 212 DEG. F

MELTING POINT: NO DATA

EVAPORATION RATE (BUTYL ACETATE = 1): NO DATA

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

VAPOR DENSITY (AIR = 1): NO DATA

SOLUBILITY IN WATER: COMPLETE

VOLATILE ORGANIC COMPOUNDS (VOCS):

669 GRAMS PER LITER OR 89.5% BY WEIGHT VOCS

SECTION 10: STABILITY AND REACTIVITY



HAZARDOUS POLYMERIZATION:

THIS PRODUCT WILL NOT UNDERGO HAZARDOUS POLYMERIZATION.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

CARBON DIOXIDE AND CARBON MONOXIDE.

CHEMICAL STABILITY: STABLE

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

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 BE A HAZARDOUS WASTE (D001) 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: UN1950

PACKING GROUP: NONE

AIR TRANSPORTATION:

PROPER SHIPPING DESCRIPTION: AEROSOLS, FLAMMABLE

HAZARD CLASS: 2.1

IDENTIFICATION NUMBER: UN1950

PACKING GROUP: NONE

MARINE POLLUTANTS: NONE

SECTION 15: REGULATORY INFORMATION



US FEDERAL REGULATIONS:

EPA PRODUCT REGISTRATION NUMBER: 211-32-10637

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:

ORTHOPHENYLPHENOL (CAS 90-43-7) 0.21%

STATE AND LOCAL REGULATIONS:

CALIFORNIA PROPOSITION 65:

WARNING:

THIS PRODUCT CONTAINS A CHEMICAL (ORTHOPHENYLPHENOL) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

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.