

MATERIAL SAFETY DATA SHEET

HMIS(R*) :
HEALTH 1
FLAMMABILITY 1
REACTIVITY 1
PERSONAL PROTECTION A

IDENTITY: TOUGH GUY WASP & HORNET KILLER

PART NUMBER: 2DCB5

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.)
ALIPHATIC HYDROCARBON	64742-47-8	NOT ESTAB.	NOT ESTAB.	100 PPM MANU.	60 - 100%
CARBON DIOXIDE	124-38-9	5000 PPM	5000 PPM	30000 PPM STEL	3 - 7%

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:

CAUTION. CAUSES MODERATE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.
UNLIKELY TO BE SWALLOWED, BUT CONTAINS PETROLEUM DISTILLATES WHICH MAY
PRESENT AN ASPIRATION HAZARD IF SWALLOWED. MAY BE HARMFUL IF INHALED.

CHRONIC HEALTH HAZARDS:

PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS
IN SOME INDIVIDUALS. FOLLOW LABEL INSTRUCTIONS AND GOOD CHEMICAL HYGIENE
PRACTICES TO AVOID THESE HAZARDS.

CARCINOGENICITY:

CHEMICAL: NONE

OSHA: NO

NTP: NO

IARC: NO

SIGNS AND SYMPTOMS OF EXPOSURE:

REDNESS, DRYNESS, SCALING OR ITCHING SKIN. EXCESSIVE INHALATION OF VAPORS
MAY CAUSE HEADACHES, STUPOR, OR IRRITATION OF THROAT AND EYES. SWALLOWING
MAY CAUSE IRRITATION OF STOMACH AND INTESTINES RESULTING IN NAUSEA AND
VOMITING.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

PRE-EXISTING SKIN AND KIDNEY CONDITIONS MAY BE ADVERSELY AFFECTED.
FOLLOW GOOD CHEMICAL HYGIENE PRACTICES TO AVOID THIS HAZARD.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES



EYES:

FLUSH WITH PLENTY OF WATER (FOR AT LEAST 15 MINUTES LIFTING EYELIDS TO
INSURE COMPLETE REMOVAL.) CALL A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION:

UNLIKELY FROM AEROSOL CAN. IF LARGE QUANTITIES ARE SWALLOWED, CALL A
PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. GET IMMEDIATE MEDICAL
ATTENTION.

INHALATION:

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

SKIN:

WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND
SHOES. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. CALL A PHYSICIAN IF
IRRITATION ARISES AND PERSISTS.

NOTE TO PHYSICIAN: CONTAINS PETROLEUM DISTILLATES (>80%).

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:

TREAT AS AN OIL FIRE. WATER MAY CAUSE FIRE TO FLOAT AND SPREAD. USE CARBON
DIOXIDE, DRY CHEMICAL OR 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, CARBON MONOXIDE, OXYGEN, SMOKE, SOOT AND VARIOUS ORGANIC OXIDATION BY-PRODUCTS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

AEROSOL CONTAINER (PRESSURIZED) MAY BURST IF HEATED OVER 130 DEG. F. COMBUSTIBLE CONTENTS.

SECTION 6: ACCIDENTAL RELEASE MEASURES



SMALL SPILL:

CAUTION, SLIP HAZARD. WIPE UP SMALL SPILLS PROMPTLY. THOROUGHLY CLEAN ANY RESIDUES WITH AN EFFECTIVE CLEANING COMPOUND.

LARGE SPILL:

ISOLATE TRAFFIC AND VENTILATE AREA. ELIMINATE ALL IGNITION SOURCES. WEAR PROTECTIVE GEAR AS NECESSARY. DIKE TO PREVENT SPREAD. PREVENT FROM ENTERING DRAINS, SEWERS OR ANY WATERCOURSE OR WATERWAY. PICK UP WITH AN ABSORBENT MATERIAL. PUT IN A SUITABLE CONTAINER FOR PROPER DISPOSAL. THIS PRODUCT IS TOXIC TO FISH AND AQUATIC INVERTEBRATES.

SECTION 7: HANDLING AND STORAGE



HANDLING:

AVOID CONTACT WITH EYES OR CLOTHING. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. DO NOT SWALLOW. AVOID INHALING MIST OR VAPORS. DO NOT DELIBERATELY CONCENTRATE AND INHALE VAPORS. USE WITH ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. DO NOT USE AROUND IGNITION SOURCES SUCH AS HEAT, SPARKS, OPEN FLAME, STATIC ELECTRICITY, ELECTRIC MOTORS, WELDING ARCS, ETC. DO NOT SMOKE WHILE USING. EXPOSURE TO TEMPERATURES ABOVE 130 DEG. F MAY CAUSE BURSTING. DIRECT SPRAY AWAY FROM FACE. REPLACE CAP WHEN NOT IN USE. DO NOT PUNCTURE OR INCINERATE CONTAINER. DO NOT APPLY DIRECTLY TO WATER.

STORAGE:

FOLLOW LABEL DIRECTIONS CAREFULLY. KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL (UNDER 130 DEG. F) DRY LOCATION AWAY FROM HEAT, SPARKS, OPEN FLAME, AND DIRECT SUNLIGHT.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



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

SKIN PROTECTION:

NOT USUALLY NEEDED. IF DIRECT CONTACT IS POSSIBLE, WEAR CHEMICAL RESISTANT GLOVES OR PPE.

RESPIRATORY PROTECTIONS:

NOT USUALLY NECESSARY. USE WITH ADEQUATE VENTILATION. IF PELS OR TLVS ARE EXCEEDED (SEE SECTION II), FOLLOW NIOSH\MSHA RECOMMENDATIONS.

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 SLIGHT PETROLEUM ODOR IN AN AEROSOL CAN.

pH: NOT APPLICABLE

SPECIFIC GRAVITY (70 DEG. F): 0.811

BOILING POINT (CONCENTRATE): 430 DEG. F

MELTING POINT: NO DATA

EVAPORATION RATE (BUTYL ACETATE = 1): NO DATA

PRESSURE (PSIG. @ 70 DEG. F): 90 +/- 5

VAPOR DENSITY (AIR = 1): GREATER THAN ONE (1)

SOLUBILITY IN WATER: NEGLIGIBLE

VOLATILE ORGANIC COMPOUNDS (VOCS): 0 GRAMS PER LITER OR 0% 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, OXYGEN, SMOKE, SOOT AND VARIOUS ORGANIC OXIDATION BY-PRODUCTS.

CHEMICAL STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZING AGENTS, ALKALI METALS, ALKALINE EARTH METALS, METAL ACETYLHALIDES AND CHROMIUM.

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

AIR TRANSPORTATION:

PROPER SHIPPING DESCRIPTION: AEROSOLS, NON-FLAMMABLE

HAZARD CLASS: 2.2

IDENTIFICATION NUMBER: UN 1950

PACKING GROUP: NONE

MARINE POLLUTANTS: NONE

SECTION 15: REGULATORY INFORMATION



US FEDERAL REGULATIONS:

EPA PRODUCT REGISTRATION NUMBER: 11694-109-10637

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:

NAME	CAS	PERCENTAGE
TETRAMETHRIN	7696-12-0	0.1%
PERMETHRIN	52645-53-1	0.26%
PIPERONYL BUTOXIDE	51-03-6	0.52%

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.