

GRAINGER®**W.W. GRAINGER****JITTER BUG CONTACT & RESIDUAL INSECTICIDE****Revised: 3/7/2001****MSDS Contents**[SECTION I](#)[SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION](#)[SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS](#)[SECTION IV - FIRE AND EXPLOSION HAZARD DATA](#)[SECTION V - REACTIVITY DATA](#)[SECTION VI - HEALTH HAZARD DATA](#)[SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE](#)[SECTION VIII - CONTROL MEASURES](#)**Item Number:**

3ZH63, 5UT24

Mfg. Model Number:

49490-185E

MATERIAL SAFETY DATA SHEET

MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.

HMIS(R*)

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	A

IDENTITY (AS USED ON LABEL AND LIST): EPA REG. NO. 11694-110-10637
JITTER BUG CONTACT & RESIDUAL INSECTICIDE (REORDER # 5UT24)

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 I

MANUFACTURED FOR: W. W. GRAINGER, INC.
ADDRESS (NUMBER, STREET, 100 GRAINGER PARKWAY
CITY, STATE AND ZIP CODE): LAKE FOREST, IL 60045-5201

EMERGENCY TELEPHONE NUMBER: 1-800-228-5635 EXT. #071

TELEPHONE NUMBER FOR INFORMATION: (847) 913-7400 EXT. #62

DATE PREPARED: MARCH 7, 2001

SIGNATURE OF PREPARER (OPTIONAL): REGULATORY DEPT.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY, COMMON NAME(S)) CAS NO.	OSHA PEL	ACGIH- TLV	OTHER LIMITS RECOMMENDED	% (OPT.)
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ISOBUTANE 75-28-5	800 PPM	800 PPM		
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PROPANE 74-98-6	1000 PPM	ASPHYXIAN		
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ISOPARAFFIN 68551-17-7	5 MG/M3	5 MG/M3		
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THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY COMPOUND LISTED AND IN QUANTITIES REQUIRING REPORTING UNDER SARA TITLE III SECTION 313.

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

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

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: CONCENTRATE-INITIAL 212 DEG. F

SPECIFIC GRAVITY (H2O=1): CONCENTRATE @ 70 DEG. F; 0.966

PRESSURE (PSIG. @ 70 DEG. F): 65 +/- 5

MELTING POINT: NO DATA

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

EVAPORATION RATE (BUTYL ACETATE=1): NO DATA

SOLUBILITY IN WATER: DISPERSIBLE

PH: 7.1 +/- 0.5

APPEARANCE AND ODOR:
A THICK WHITE OPAQUE LIQUID THAT HAS A CHARACTERISTIC INSECTICIDE ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

USA FLAME PROJECTION TEST (ASTM D-3065): NONE - NO FLASHBACK

FLAMMABLE LIMITS: NO DATA

LEL: NO DATA

UEL: NO DATA

EXTINGUISHING MEDIA:

TREAT AS AN OIL FIRE. FLOATING FIRE MAY SPREAD. USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

SPECIAL FIRE FIGHTING PROCEDURES:

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

UNUSUAL FIRE AND EXPLOSION HAZARDS:

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

CONTAINS COMBUSTIBLE LIQUIDS.

SECTION V - REACTIVITY DATA

STABILITY:

UNSTABLE: ()

STABLE: (X)

CONDITIONS TO AVOID:

EXTREME HEAT, DIRECT SUNLIGHT, SOURCES OF IGNITION. STORE AT TEMPERATURES ABOVE 32 DEG. F.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZING AND STRONG REDUCING AGENTS, STRONG MINERAL ACIDS, OXYGEN, CHLORINE, PERMANGANATES, AND DICHROMATES.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

CARBON DIOXIDE, CARBON MONOXIDE, SMOKE, SOOT AND VARIOUS ORGANIC OXIDATION BY-PRODUCTS.

HAZARDOUS POLYMERIZATION:

MAY OCCUR: ()

WILL NOT OCCUR: (X)

CONDITIONS TO AVOID: NONE KNOWN

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

EYES? NO

INHALATION? YES
SKIN? NO
INGESTION? YES

HEALTH HAZARDS (ACUTE AND CHRONIC):

CAUTION. HARMFUL IF INHALED. MAY BE HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE SKIN IRRITATION. EXCESSIVE EXPOSURE TO VAPORS IN ADEQUATELY VENTILATED AREAS, MAY INDUCE ANESTHETIC PROPERTIES. FOLLOW GOOD CHEMICAL HYGIENE PRACTICES WHEN USING THIS AND OTHER INSECTICIDAL PRODUCTS.

CARCINOGENICITY: NONE KNOWN
NTP? NO
IARC MONOGRAPHS? NO
OSHA REGULATED? NO

SIGNS AND SYMPTOMS OF EXPOSURE:

IRRITATION OF NOSE, THROAT OR RESPIRATORY TRACT. REDNESS OR IRRITATION OF SKIN OR EYES. OVEREXPOSURE TO VAPORS MAY CAUSE DROWSINESS, DIZZINESS, NAUSEA, LOSS OF COORDINATION OR CONSCIOUSNESS (EXTREME CONDITIONS) OR FATIGUE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

SLIGHT SKIN IRRITATION TO THOSE WITH SENSITIVE SKIN. FOLLOW GOOD CHEMICAL HYGIENE PRACTICES TO AVOID THESE HAZARDS.

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:

(UNLIKELY, AEROSOL)

IF SWALLOWED, CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. DO NOT INDUCE VOMITING UNLESS INSTRUCTED BY A PHYSICIAN. GET IMMEDIATE MEDICAL ATTENTION.

INHALATION:

REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. GET MEDICAL ATTENTION.

SKIN:

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

NOTE:

CONTAINS PETROLEUM DISTILLATES (<10%)

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

CAUTION, SLIP HAZARD. REMOVE ANY RESIDUES WITH SUITABLE CLEANING AGENT. WEAR PROTECTIVE GEAR AS NECESSARY. FOR SMALL SPILLS, WIPE UP PROMPTLY. FOR LARGE SPILLS, ISOLATE TRAFFIC AND VENTILATE AREA. ELIMINATE ALL IGNITION SOURCES.

DIKE TO PREVENT SPREAD. PICK UP WITH AN ABSORBENT MATERIAL. PUT IN A SUITABLE CONTAINER FOR PROPER DISPOSAL. THIS PRODUCT IS TOXIC TO FISH.

WASTE DISPOSAL METHOD:

CONSULT LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT PUNCTURE OR INCINERATE CONTAINER. REPLACE CAP ON EMPTY CAN, WRAP CONTAINER IN SEVERAL LAYERS OF NEWSPAPER AND DISPOSE OF IN TRASH. OFFER FOR RECYCLING IF RESOURCES ARE AVAILABLE.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

DO NOT BREATHE VAPOR OR SPRAY MIST. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. AVOID CONTAMINATION OF FOOD AND FOODSTUFFS. VACATE ROOM AFTER TREATMENT AND VENTILATE BEFORE REOCCUPYING. STORE IN A COOL (UNDER 130 DEG. F) DRY LOCATION AWAY FROM HEAT, SPARKS, OPEN FLAME, AND DIRECT SUNLIGHT. PROTECT FROM FREEZING. STORE AT TEMPERATURES ABOVE 32 DEG. F AND BELOW 130 DEG. F.

OTHER PRECAUTIONS:

FOLLOW LABEL DIRECTIONS CAREFULLY. KEEP OUT OF REACH OF CHILDREN. DO NOT DELIBERATELY CONCENTRATE AND INHALE VAPORS. DIRECT SPRAY AWAY FROM FACE. REPLACE CAP WHEN NOT IN USE. DO NOT USE AROUND IGNITION SOURCES SUCH AS HEAT, SPARKS, OPEN FLAME, STATIC ELECTRICITY, ELECTRIC MOTORS, WELDING ARCS, ETC. DO NOT PUNCTURE OR INCINERATE CONTAINER. DO NOT SMOKE WHILE USING. DO NOT USE THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD. VACATE ROOM AFTER TREATMENT AND VENTILATE BEFORE REOCCUPYING. DO NOT USE AROUND THE ELDERLY, INFIRM OR PATIENTS.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE):

NOT USUALLY NECESSARY. USE WITH ADEQUATE VENTILATION. IF PELS OR TLVS ARE EXCEEDED (SEE SECTION II), USE AN APPROVED NIOSH/MSHA RESPIRATOR.

VENTILATION:

LOCAL EXHAUST:	ACCEPTABLE
MECHANICAL (GENERAL):	NORMAL
SPECIAL:	NONE
OTHER:	NONE

PROTECTIVE GLOVES:

NOT USUALLY NEEDED. IF DIRECT CONTACT POSSIBLE, IMPERVIOUS.

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

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

NOT USUALLY NEEDED. IF DIRECT CONTACT POSSIBLE, WEAR APRON, BOOTS, FACE SHIELD, ETC. AS NECESSARY.

WORK/HYGIENIC PRACTICES:

NORMAL. WASH THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, USING RESTROOMS, ETC.

WHILE THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, W. W. GRAINGER, INC. MAKES NO WARRANTY

WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.