

THE BETTER THAN CORPORATION
PO BOX 89
VAUGHAN, ONTARIO, L4K 1Y8
CANADA
905-669-9855/1-800-361-0094

PRODUCT: 11111-BT501 MULTI-PURPOSE Insect Killer-D

Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER MANUFACTURED FOR:
THE BETTER THAN CORPORATION
PO BOX 89
VAUGHAN
ONTARIO
CANADA
L4K 1Y8
905-669-9855
PRODUCT NAME..... 11111-BT501 MULTI-PURPOSE Insect Killer-D
CHEMICAL FAMILY..... D-TRANS ALLETHRIN/PIPERONYL BUTOXIDE.
MOLECULAR WEIGHT..... NOT APPLICABLE.
CHEMICAL FORMULA..... NOT APPLICABLE.
TRADE NAMES & SYNONYMS
RECOMMENDED PRODUCT USES..... INSECTICIDE.
FORMULA/LAB BOOK #..... F 04-103.

Section 02: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION..... Warning.
SIGNAL WORD..... Warning.
HAZARD STATEMENTS H229 PRESSURIZED CONTAINER: MAY BURST IF HEATED.
PRECAUTIONARY STATEMENTS..... Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Do not spray on open flame or other ignition source. Pressurized container. Do not pierce or burn, even after use. Wash hands thoroughly after handling. Avoid breathing gas/mist/vapour/spray. Use only outdoors or in well-ventilated area. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advise/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if feel unwell. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Store locked up. Dispose of contents and container in accordance with all local, regional and international regulations. .
OTHER HAZARDS..... No additional information available.

Section 03: COMPOSITION/INFORMATION INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
D-TRANS ALLETHRIN	28057-48-9	0.25
ISOBUTANE	75-28-5	10-30
ALIPHATIC PETROLEUM DISTILLATES	64742-47-8	5-10
PIPERONYL BUTOXIDE	51-03-6	1.00
PROPANE	74-98-6	1-5

Section 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURE IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

Section 05: FIRE FIGHTING MEASURES

FLAMMABILITY..... NOT FLAMMABLE.
IF YES, UNDER WHICH CONDITIONS?..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
SPECIAL PROCEDURES..... WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARTATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.
EXPLOSION DATA
SENSITIVITY TO STATIC DISCHARGE. NOT APPLICABLE.
SENSITIVITY TO IMPACT..... NOT APPLICABLE.
EXTINGUISHING MEDIA..... WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

PRODUCT: 11111-BT501 MULTI-PURPOSE Insect Killer-D**Section 05: FIRE FIGHTING MEASURES**

HAZARDOUS COMBUSTION PRODUCTS..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

AEROSOL FLAME PROJECTION CLASSIFIED AS:..... 0 cm.

FLASHBACK..... NONE.

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.

Section 07: HANDLING AND STORAGE

STORAGE NEEDS..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.

ENGINEERING CONTROLS..... VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS).

HANDLING PROCEDURES AND EQUIPMENT STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.

SYNERGISTIC MATERIALS..... NONE KNOWN.

Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
D-TRANS ALLETHRIN	NOT AVAILABLE					
ISOBUTANE	1000 ppm					
ALIPHATIC PETROLEUM DISTILLATES	300 ppm					
PIPERONYL BUTOXIDE	NOT AVAILABLE					
PROPANE	1000 ppm					
GLOVES/ TYPE.....	WEAR CHEMICAL RESISTANT GLOVES.					
RESPIRATORY/TYPE.....	IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE RESPIRATOR (NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.					
EYE/TYPE.....	SAFETY GLASSES.					
FOOTWEAR/TYPE.....	NOT NORMALLY REQUIRED.					
OTHER/TYPE.....	NOT REQUIRED.					
EXPOSURE LIMIT OF MATERIAL.....	SEE ABOVE.					

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... AEROSOL.

APPEARANCE..... WHITE EMULSION.

ODOR..... INSECTICIDE.

ODOR THRESHOLD..... NOT AVAILABLE.

pH..... NOT APPLICABLE.

FREEZING POINT: (°C)..... NOT AVAILABLE.

BOILING POINT (°C)(CONC)..... 100-255.

FLASH POINT(°C),TAG CLOSED-CUP 78.
(CONCENTRATE)

EVAPORATION RATE..... LESS THAN 1.

n-BUTYL ACETATE = 1

UPPER FLAMMABLE LIMIT..... 9.5.
(% BY VOLUME)

LOWER FLAMMABLE LIMIT..... 0.6.
(% BY VOLUME)

VAPOUR PRESSURE(PSIG)-AEROSOL..... 35 - 45.
@ 20 C

VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.
(BY WEIGHT)

SPECIFIC GRAVITY (AEROSOL)..... 0.76-0.80.

SPECIFIC GRAVITY (LIQUID)..... 0.94-0.98.

SOLUBILITY IN WATER g/L (20°C)..... NEGLIGIBLE.

COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.

AUTO IGNITION TEMPERATURE (°C)..... NOT AVAILABLE.

AEROSOL PERCENT VOLATILE..... 99-100.

PRODUCT: 11111-BT501 MULTI-PURPOSE Insect Killer-D**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

(BY WEIGHT).
AEROSOL PERCENT VOC (w/w)..... 33-34.

Section 10: STABILITY AND REACTIVITY

HAZARDOUS PRODUCTS OF DECOMPOSITION..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

CHEMICAL STABILITY:
YES..... UNDER NORMAL CONDITIONS.
NO, WHICH CONDITIONS?..... NOT APPLICABLE.

COMPATIBILITY WITH OTHER SUBSTANCES:
NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.
REACTIVITY CONDITIONS?..... NOT APPLICABLE.

Section 11: TOXICOLOGICAL INFORMATION

Ingredients	LC50	LD50
D-TRANS ALLETHRIN	2.51 mg/L INHAL - RAT	709 mg/kg ORAL - RAT
ISOBUTANE	142,500 ppm (4h) INHAL - RAT	NOT APPLICABLE
ALIPHATIC PETROLEUM DISTILLATES	NOT AVAILABLE	>5000 mg/kg ORAL-RAT
PIPERONYL BUTOXIDE	>5.9 mg/l	4.6 g/kg ORAL-RAT
PROPANE	NOT AVAILABLE	>5000 mg/kg DERMAL-RABBITS
ROUTE OF ENTRY: INHALATION.....	INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.	
INGESTION.....	MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.	
EYE CONTACT.....	MAY CAUSE IRRITATION.	
SKIN CONTACT.....	MAY CAUSE IRRITATION.	
SKIN ABSORPTION.....	NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.	
EFFECTS OF ACUTE EXPOSURE.....	DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.	
EFFECTS OF CHRONIC EXPOSURE.....	SOLVENTS MAY CAUSE DEFATTING DERMATITIS	
IRRITANCY OF MATERIAL.....	SLIGHT.	
CARCINOGENICITY OF MATERIAL.....	THE INGREDIENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP, (NATIONAL TOXICOLOGY PROGRAM), NOT REGULATED AS CARCINOGENS BY OSHA, (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), AND HAVE NOT BEEN EVALUATED BY IARC,(INTERNATIONAL AGENCY FOR RESEARCH ON CANCER), NOR BY ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS).	
MUTAGENICITY.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.	
TERATOGENICITY.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.	
REPRODUCTIVE EFFECTS.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE REPRODUCTIVE EFFECTS ARE ANTICIPATED.	
SENSITIZING CAPABILITY OF MATERIAL.....	UNKNOWN.	

Section 12: ECOLOGICAL CONSIDERATIONS

ENVIRONMENTAL..... NOT AVAILABLE.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

Section 14: TRANSPORTATION INFORMATION

T.D.G. CLASSIFICATION..... CONSUMER COMMODITY (AEROSOLS, UN1950, CLASS 2.2).
D.O.T. CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.

PRODUCT: 11111-BT501 MULTI-PURPOSE Insect Killer-D**Section 15: REGULATORY INFORMATION**

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION..... NOT REGULATED BY WHMIS.
 CNFC SECTION 3.3.5..... LEVEL 1.
 CEPA (Canadian Environmental Protection ... ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC
 Act) SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE LISTED.

U.S. REGULATIONS:

HMIS RATING HEALTH..... 2 MODERATE HAZARD.
 HMIS RATING FLAMMABILITY..... 1 SLIGHT HAZARD.
 HMIS RATING REACTIVITY..... 0 MINIMAL HAZARD.
 HMIS RATING PERSONAL PROTECTION.. B.
 NFPA CODE 30B..... LEVEL 1.
 SARA 313 INFORMATION:..... THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE
 REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND
 AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

. CAS #: CHEMICAL NAME:
 . *51-03-6 PIPERONYL BUTOXIDE.
 THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE
 CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986:
 . WARNING: THIS PRODUCT DOES NOT INTENTIONALLY
 CONTAIN ANY CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE
 CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
 . CAS #: CHEMICAL NAME:

CALIFORNIA PROPOSITION 65:.....

TSCA (Toxic Substances Control Act)..... . N/A.
 ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY
 IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.
 VOC (w/w%)..... 33-34.

Section 16: OTHER INFORMATION

NOTICE FROM THE BETTER THAN CORPORATION THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY THE
 BETTER THAN CORPORATION FREE OF CHARGE. WHILE BELIEVED TO BE
 RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK.
 THE BETTER THAN CORPORATION ASSUMES NO RESPONSIBILITY FOR EVENTS
 RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS
 MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL
 DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH
 ANY OTHER MATERIAL OR IN ANY PROCESS.

PREPARED BY..... Regulatory Affairs
 PREPARATION DATE Aug14/14