

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

**PRODUCT: 11111-BT506/507 BED BUG KILLER (100g,400g)****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-BT506/507 BED BUG KILLER (100g,400g)  
CHEMICAL FAMILY..... D-PHENOTHRIN/TETRAMETHRIN.  
MOLECULAR WEIGHT..... NOT APPLICABLE.  
CHEMICAL FORMULA..... MIXTURE.  
TRADE NAMES & SYNONYMS  
RECOMMENDED PRODUCT USES..... INSECTICIDE.  
FORMULA/LAB BOOK #..... 99-58190/99-58189/012-6-125.

**Section 02: HAZARDS IDENTIFICATION**

HAZARD CLASSIFICATION..... NOT ASSESSED.  
SIGNAL WORD..... NOT ASSESSED.  
HAZARD STATEMENTS ..... NOT ASSESSED.  
PRECAUTIONARY STATEMENTS..... NOT ASSESSED.  
OTHER HAZARDS..... NOT ASSESSED.

**Section 03: COMPOSITION/INFORMATION INGREDIENTS**

Hazardous Ingredients	CAS #	Wt. %
ISOBUTANE	75-28-5	10-30
PARAFFINIC NAPHTHENIC SOLVENT	64742-47-8	3-7
PROPANE	74-98-6	1-5
D-PHENOTHRIN (SUMITHRIN)	26002-80-2	0.200
TETRAMETHRIN (NEOPYRAMIN)	7696-12-0	0.200

**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 A FLAMMABLE PRODUCT (AS PER CANADIAN AEROSOL REGULATIONS).  
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 APPARATUS 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.  
HAZARDOUS COMBUSTION  
PRODUCTS..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.  
AEROSOL FLAME PROJECTION  
CLASSIFIED AS:..... 0 cm.  
FLASHBACK..... NONE.

**PRODUCT: 11111-BT506/507 BED BUG KILLER (100g,400g)****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
ISOBUTANE	1000 ppm					
PARAFFINIC NAPHTHENIC SOLVENT	100 ppm					
PROPANE	1000 ppm					
D-PHENOTHRIN (SUMITHRIN)	N/A					
TETRAMETHRIN (NEOPYRAMIN)	N/A					
GLOVES/ TYPE.....	NONE REQUIRED FOR NORMAL APPLICATION OF AEROSOL PRODUCTS WHERE MINIMAL SKIN CONTACT IS EXPECTED.					
RESPIRATORY/TYPE.....	NOT NORMALLY REQUIRED.					
EYE/TYPE.....	SAFETY GLASSES.					
FOOTWEAR/TYPE.....	NOT NORMALLY REQUIRED.					
OTHER/TYPE.....	NOT REQUIRED.					
EXPOSURE LIMIT OF MATERIAL.....	SEE SECTION 2.					

**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE..... AEROSOL.  
 APPEARANCE..... COLORLESS LIQUID.  
 ODOR..... INSECTICIDE.  
 ODOR THRESHOLD..... NOT AVAILABLE.  
 pH..... 6.5 - 7.5.  
 FREEZING POINT: (°C)..... NOT AVAILABLE.  
 BOILING POINT (°C)(CONC)..... LOWEST KNOWN VALUE IS 100C BASED ON WATER.  
 FLASH POINT(°C),TAG CLOSED-CUP ..... LOWEST KNOWN VALUE IS ISOPARAFFINIC HYDROCARBON @ 77C.  
 (CONCENTRATE)  
 EVAPORATION RATE..... GREATER THAN 1.  
 n-BUTYL ACETATE = 1  
 UPPER FLAMMABLE LIMIT..... 9.5.  
 (% BY VOLUME)  
 LOWER FLAMMABLE LIMIT..... 0.5.  
 (% BY VOLUME)  
 VAPOUR PRESSURE(PSIG)-AEROSOL..... 50-60.  
 @ 20 C  
 VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.  
 (BY WEIGHT)  
 SPECIFIC GRAVITY (AEROSOL)..... 0.77-0.81.  
 SPECIFIC GRAVITY (LIQUID)..... 0.98-1.02.  
 SOLUBILITY IN WATER g/L (20°C)..... SOLUBLE.  
 COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.  
 AUTO IGNITION TEMPERATURE (°C)..... LOWEST KNOWN VALUE IS ISOPARAFFINIC HYDROCARBON >200C.  
 AEROSOL PERCENT VOLATILE..... 93-94.  
 (BY WEIGHT)  
 AEROSOL PERCENT VOC (w/w)..... 30-31.

**PRODUCT: 11111-BT506/507 BED BUG KILLER (100g,400g)****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
ISOBUTANE	142,500 ppm (4h) INHAL - RAT	NOT APPLICABLE
PARAFFINIC NAPHTHENIC SOLVENT	6.8 mg/l	>5000 mg/kg ORAL-RAT
PROPANE	NOT AVAILABLE	>5000 mg/kg DERMAL-RABBITS
D-PHENOTHRIN (SUMITHRIN)	NOT AVAILABLE	NOT AVAILABLE
TETRAMETHRIN (NEOPYRAMIN)	NOT AVAILABLE	>5000 mg/kg ORAL-RAT
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.....	SKIN/EYE IRRITANT.	
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.

**Section 15: REGULATORY INFORMATION**

## CANADIAN REGULATIONS:

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

## U.S. REGULATIONS:

**PRODUCT: 11111-BT506/507 BED BUG KILLER (100g,400g)****Section 15: REGULATORY INFORMATION**

HMIS RATING HEALTH..... 1 SLIGHT 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 NO INGREDIENTS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.  
. CAS #: CHEMICAL NAME:  
NAME: N/A.  
CALIFORNIA PROPOSITION 65:..... 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:  
. N/A.  
TSCA (Toxic Substances Control Act)..... ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.  
VOC (w/w%)..... 30-31.

**Section 16: OTHER INFORMATION**

NOTICE FROM THE BETTER THAN ..... 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 ..... Jan21/14