

**KUUS INC****PRODUCT: KD200D MAX FLYING INSECT KILLER****Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER ..... KUUS INC.  
 450 TAPSCOTT ROAD, SCARBOROUGH  
 ONTARIO  
 CANADA  
 M1B 1Y4  
 CANUTEC EMERGENCY #:1-613-996-6666(24HR)  
 PRODUCT NAME..... KD200D MAX FLYING INSECT KILLER  
 CHEMICAL FAMILY..... PYRETHRINS/PIPERONYL BUTOXIDE/MGK 264.  
 MOLECULAR WEIGHT..... NOT APPLICABLE.  
 CHEMICAL FORMULA..... MIXTURE.  
 TRADE NAMES & SYNONYMS  
 RECOMMENDED PRODUCT USES..... INSECTICIDE.

**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	40-70
N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	113-48-4	3.2
ODOURLESS MINERAL SPIRITS	64742-48-9	7-13
PIPERONYL BUTOXIDE	51-03-6	1.95
PROPANE	74-98-6	7-13
PYRETHRINS	8003-34-7	0.975

**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..... EXTREMELY 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 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:..... >15cm BUT <100cm.  
 FLASHBACK..... NONE.

**PRODUCT: KD200D MAX FLYING INSECT KILLER****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 ..... STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.  
 EQUIPMENT  
 SYNERGISTIC MATERIALS..... NONE KNOWN.

**Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Ingredients	ACGIH TLV		OSHA PEL		NIOSH REL
	TWA	STEL	PEL	STEL	

GLOVES/ TYPE..... NOT NORMALLY REQUIRED.  
 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..... CLEAR AMBER LIQUID.  
 ODOR..... INSECTICIDE.  
 ODOR THRESHOLD..... NOT AVAILABLE.  
 pH..... NOT APPLICABLE.  
 FREEZING POINT: (°C)..... NOT AVAILABLE.  
 BOILING POINT (°C)(CONC)..... 150-210.  
 FLASH POINT(°C),TAG CLOSED-CUP ..... 54.  
 (CONCENTRATE)  
 EVAPORATION RATE..... LESS THAN 1.  
 n-BUTYL ACETATE = 1  
 UPPER FLAMMABLE LIMIT..... 9.5.  
 (% BY VOLUME)  
 LOWER FLAMMABLE LIMIT..... 1.0.  
 (% BY VOLUME)  
 VAPOUR PRESSURE(PSIG)-AEROSOL..... 50-60.  
 @ 20 C  
 VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.  
 SPECIFIC GRAVITY (AEROSOL)..... 0.56-0.60.  
 SPECIFIC GRAVITY (LIQUID)..... 0.82-0.86.  
 SOLUBILITY IN WATER g/L (20°C)..... NEGLIGIBLE.  
 COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.  
 AUTO IGNITION TEMPERATURE (°C)..... 349.  
 AEROSOL PERCENT VOLATILE..... 92-93.  
 (BY WEIGHT).  
 AEROSOL PERCENT VOC (w/w)..... 92-93.

**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.  
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

**PRODUCT: KD200D MAX FLYING INSECT KILLER****Section 11: TOXICOLOGICAL INFORMATION**

Ingredients	LC50-inh, rat	LD50-Oral,rat
ISOBUTANE	142,500 ppm (4h) INHAL - RAT	NOT APPLICABLE
N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	4080 mg/L INHAL - RAT	4980 mg/kg ORAL - RAT
ODOURLESS MINERAL SPIRITS	5,500mg/m3(4h)	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
PYRETHRINS	NOT AVAILABLE	1680 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.....	MAY CAUSE IRRITATION.	
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..... THIS PRODUCT IS POTENTIALLY TOXIC TO FISH, BIRDS AND OTHER WILDLIFE.

**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 2.1).  
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 3.  
CEPA (Canadian Environmental Protection 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:

HMIS RATING HEALTH..... 2 MODERATE HAZARD.  
HMIS RATING FLAMMABILITY..... 4 SEVERE HAZARD.  
HMIS RATING REACTIVITY..... 1 SLIGHT HAZARD.  
HMIS RATING PERSONAL PROTECTION.. B.  
NFPA CODE 30B..... LEVEL 3.  
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.

**PRODUCT: KD200D MAX FLYING INSECT KILLER****Section 15: REGULATORY INFORMATION**

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%)..... 92-93.

**Section 16: OTHER INFORMATION**

NOTICE..... THE INFORMATION CONTAINED HEREIN IS OFFERED AS A GUIDE TO THE HANDLING OF THIS SPECIFIC MATERIAL AND HAS BEEN PREPARED BY TECHNICALLY KNOWLEDGABLE PERSONNEL.. IT IS NOT INTENDED TO BE AN ALL INCLUSIVE AND THE MANNER OF ITS USE AND HANDLING MAY INVOLVE OTHER ADDITIONAL CONSIDERATIONS. NO WARRANTY OF ANY KIND IS GIVEN OR IMPLIED AND KUUS INC. WILL NOT BE LIABLE FOR ANY DAMAGES, LOSSES, INJURIES, OR CONSEQUENTIAL DAMAGES WHICH MAY RESULT FROM THE USE OR RELIANCE ON ANY INFORMATION

CONTAINED HEREIN.  
 PREPARED BY..... KUUS INC

TELEPHONE NUMBER OF PREPARER..... (416) 298 7724

PREPARATION DATE ..... OCT 26 / 2016