

MATERIAL SAFETY DATA SHEET

KUUS INC.

KNOCK DOWN PROFESSIONAL FLYING & CRAWLING INSECT KILLER

Effective Date: April 1, 2015

1. MATERIAL IDENTIFICATION AND USE

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| MANUFACTURER'S NAME | KUUS INC. |
| MANUFACTURER'S ADDRESS | 450 TAPSCOTT ROAD, UNIT 5 & 6 SCARBOROUGH, ONTARIO M1B 1Y4 |
| MANUFACTURER'S TELEPHONE NO. | (416) 298-7724 |
| SUPPLIER IDENTIFIER | AS MANUFACTURER |
| SUPPLIER'S ADDRESS | AS MANUFACTURER |
| SUPPLIER'S TELEPHONE NO. | AS MANUFACTURER |
| PRODUCT IDENTIFIER | KNOCK DOWN PROFESSIONAL FLYING & CRAWLING INSECT KILLER FORMULA: DOMESTIC |
| PRODUCT CODE | KD120P |
| PRODUCT USE | INSECTICIDE |

2. HAZARDOUS INGREDIENTS OF MATERIALS

| INGREDIENTS | PERCENTAGE (%) | CAS NUMBER: | LD50(species/route) | LD50(species/route) |
|---------------------------|----------------|-------------|------------------------------|--------------------------|
| Odourless Mineral Spirits | 60-100 | 64742-48-9 | 5000mg/kg (oral-rat) | 5500mg/m3 (4h) |
| Pyrethrins | 0.5 | 8003-34-7 | 1680mg/kg (oral-rat) | Not Available |
| Piperonyl Butoxide | 5.0 | 51-03-6 | 4.6g/kg (oral-rat) | >5.9mg/l |
| Isobutane | 10-30 | 75-28-5 | Not Applicable | 142500ppm/4h (inhal-rat) |
| Propane | 3-7 | 74-98-6 | >5000mg/kg Dermal-Rabbits | Not Available |

3. PHYSICAL DATA FOR PRODUCT

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| PHYSICAL STATE | AEROSOL |
| ODOUR AND APPEARANCE | LIGHT AMBER. PYRETHRIN. |
| VAPOUR PRESSURE (mm Hg) | 45-55 at 20°C |
| SPECIFIC GRAVITY | 0.75-0.79 |
| EVAPORATION RATE | (N-BUTYL ACETATE=1): LESS THAN 1 |
| VAPOUR DENSITY | (AIR=1): GREATER THAN 1 |

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| % VOLATILE | (BY WEIGHT): 94-95 |
| BOILING POINT | 171-205°C |
| SOLUBILITY IN WATER (20°C) | NEGLIGIBLE |

4. FIRE AND EXPLOSION HAZARD OF PRODUCT

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| EXTINGUISHING MEDIA | WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM. |
| FLASHPOINT | >43°C |
| UPPER EXPLOSION LIMIT (% BY VOL) | 9.5. |
| LOWER EXPLOSION LIMIT (% BY VOL) | 1.0 |
| SPECIAL PROCEDURES | FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARTATUS SHOULD BE WORN. |

5. REACTIVITY DATA

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| CHEMICAL STABILITY | STABLE |
| HAZARDOUS POLYMERIZATION | WILL NOT OCCUR |
| INCOMPATIBLE MATERIALS | STRONG OXIDIZING AGENTS |
| HAZARDOUS DECOMPOSITION PRODUCTS | HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE. |

6. TOXICOLOGICAL PROPERTIES OF PRODUCT

SHORT TERM EFFECTS OF EXPOSURE

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|------------------------------|--|
| ROUTE OF ENTRY | |
| SKIN CONTACT | YES |
| EYE CONTACT | YES |
| ACUTE EFFECTS – INGESTION | HEADACHE, NAUSEA, VOMITING AND WEAKNESS |
| ACUTE EFFECTS – SKIN CONTACT | FREQUENT OR PROLONGED CONTACT MAY IRRITATE THE SKIN. |
| ACUTE EFFECTS – INHALATION | INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT. |
| ACUTE EFFECTS – EYE | FREQUENT OR PROLONGED CONTACT MAY IRRITATE THE EYES. |

7. TOXICOLOGICAL PROPERTIES OF PRODUCT (CONT'D)

LONG TERM EFFECTS OF EXPOSURE

EFFECTS OF CHRONIC EXPOSURE
TARGET ORGANS

SOLVENTS MAY CAUSE DEFATTING DERMATITIS

SPECIAL HEALTH EFFECTS

CARCINOGENICITY

NO

8. PREVENTIVE MEASURES

CONDITIONS UNDER WHICH PPE REQ'D

NORMAL WORK CONDITIONS

EYE PROTECTION REQUIREMENTS

NONE REQUIRED FOR NORMAL USAGE. WEAR SAFETY GLASSES

GLOVE REQUIREMENTS

NOT NORMALLY REQUIRED

CLOTHING REQUIREMENTS

NOT NORMALLY REQUIRED

RESPIRATOR REQUIREMENTS

IF USED INDOORS ON A CONTINUOUS BASIS,
USE OF CARTRIDGE TYPE RESPIRATOR IS
RECOMMENDED.

ENGINEERING CONTROLS REQUIRED

VENTILATION

SPILL AND LEAK PROCEDURES

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

WASTE DISPOSAL METHODS

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

STORAGE TEMPERATURE

AMBIENT

HANDLING/STORAGE

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. STORE IN COOL,
WELL VENTILATED AREA NOT TO EXCEED 50°C.

9. FIRST AID MEASURES

INGESTION

IF SWALLOWED, DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

SKIN CONTACT

WASH THOROUGHLY WITH SOAP AND WATER.

INHALATION

IF INHALATION OR VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR.

10. FIRST AID MEASURES

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| EYE | FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. |
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11. REGULATORY INFORMATION

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION
CNFC SECTION 3.3.5
CEPA (Canadian Environmental Protection Act)

NOT REGULATED BY WHMIS.
LEVEL 2.
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
HMIS RATING FLAMMABILITY
HMIS RATING REACTIVITY
HMIS RATING PERSONAL PROTECTION
NFPA CODE 30B
SARA 313 INFORMATION

2 MODERATE HAZARD.
4 SEVERE HAZARD.
0 MINIMAL HAZARD.
B.
LEVEL 2.
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:
N/A.
ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.
95-96.

CALIFORNIA PROPOSITION 65

TSCA (Toxic Substances Control Act)

VOC (w/w%)

12. TRANSPORTATION INFORMATION

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| T.D.G. CLASSIFICATION | CONSUMER COMMODITY (AEROSOLS, UN1950, CLASS 2.1). |
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| D.O.T. CLASSIFICATION | CONSUMER COMMODITY, ORM-D. |
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13. PREPARATION DATE OF MATERIAL SAFETY DATA SHEET

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|------------------------------|----------------------|
| PREPARED BY | KUUS INC. |
| TELEPHONE NUMBER OF PREPARER | 1-800-267-0455 |
| DATE PREPARED | April 1, 2015 |

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