MATERIAL SAFETY DATA SHEET

KUUS INC.

KNOCK DOWN BED BUG KILLER

Effective Date: April 1, 2015

1. MATERIAL IDENTIFICATION AND USE

MANUFACTURER'S NAME KUUS INC.

MANUFACTURER'S ADDRESS 450 TAPSCOTT ROAD, UNIT 5 & 6

SCARBOROUGH, ONTARIO M1B 1Y4

MANUFACTURER'S TELEPHONE NO. 1-800-267-0455

SUPPLIER IDENTIFIER AS MANUFACTURER

SUPPLIER'S ADDRESS AS MANUFACTURER

SUPPLIER'S TELEPHONE NO. AS MANUFACTURER

PRODUCT IDENTIFIER KNOCK DOWN BED BUG KILLER

FORMULA: COMMERCIAL

PRODUCT CODE KD242C

PRODUCT USE INSECTICIDE

2. HAZARDOUS INDGREDIENTS OF MATERIALS

| INGREDIENTS | PERCENTAGE (%) | CAS NUMBER: | LD50(species/route) | LD50(species/route) |
|---|---------------------------------------|--|--|---|
| Odourless Mineral Spirits Pyrethrins Piperonyl Butoxide Isobutane Propane | 40-70 0.60 4.00 10-30 3-7 | 64742-48-9 8003-34-7 51-03-6 75-28-5 74-98-6 | 5000mg/kg (oral-rat) 1680mg/kg (oral-rat) 4.6g/kg (oral-rat) Not Applicable >5000mg/kg Dermal-Rabbits | Not Available Not Available >5.9mg/l 142500ppm/4h (inhal-rat) Not Available |

3. PHYSICAL DATA FOR PRODUCT

PHYSICAL STATE AEROSOL

ODOUR AND APPEARANCE CLEAR AMBER LIQUID. INSECTICIDE.

VAPOUR PRESSURE (mm Hg) 50-60 at 20°C

SPECIFIC GRAVITY 0.56-0.60

EVAPORATION RATE (N-BUTYL ACETATE=1): LESS THAN 1

VAPOUR DENSITY (AIR=1): GREATER THAN 1

% VOLATILE (BY WEIGHT): 96-97

BOILING POINT 150-210°C

SOLUBILITY IN WATER (20°C) NEGLIGIBLE

4. FIRE AND EXPLOSION HAZARD OF PRODUCT

EXTINGUISHING MEDIA WATER, CARBON DIOXIDE,

DRY CHEMICAL, FOAM.

FLASHPOINT 54°C

UPPER EXPLOSION LIMIT (% BY VOL) 9.5.

LOWER EXPLOSION LIMIT (% BY VOL) 1.2

SPECIAL PROCEDURES FULL PROTECTIVE EQUIPMENT INCLUDING SELF

CONTAINED BREATHING APPARTATUS

SHOULD BE WORN.

5. REACTIVITY DATA

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

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

CARCINOGINICITY NO

8. PREVENTIVE MEASURES

CONDITIONS UNDER WHICH PPE REQ'D NORMAL WORK CONDITIONS

EYE PROTECTION REQUIREMENTS WEAR SAFETY GLASSES

GLOVE REQUIREMENTS NOT NORMALLY REQUIRED

CLOTHING REQUIREMENTS NOT NORMALLY REQUIRED

RESPIRATOR REQUIREMENTS NOT NORMALLY REQUIRED

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

EYE FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15

MINUTES AND GET MEDICAL ATTENTION.

11. REGULATORY INFORMATION

CANADIAN REGULATIONS:

NOT REGULATED BY WHMIS. WHMIS CLASSIFICATION

CNFC SECTION 3.3.5 LEVEL 3.

ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN CEPA (Canadian Environmental Protection Act)

DOMESTIC SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE

LISTED.

B.

U.S. REGULATIONS:

HMIS RATING HEALTH 2 MODERATE HAZARD. 4 SEVERE HAZARD. HMIS RATING FLAMMABILITY HMIS RATING REACTIVITY 1 SLIGHT HAZARD.

HMIS RATING PERSONAL PROTECTION

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.

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.

ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA TSCA (Toxic Substances Control Act)

INVENTORY, ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT

FROM LISTING.

VOC (w/w%) 96-97

12. TRANSPORTATION INFORMATION

T.D.G. CLASSIFICATION CONSUMER COMMODITY (AEROSOLS, UN1950, CLASS 2.1).

D.O.T. CLASSIFICATION CONSUMER COMMODITY, ORM-D.

13. PREPARATION DATE OF MATERIAL SAFETY DATA SHEET

PREPARED BY KUUS INC.

TELEPHONE NUMBER OF PREPARER 1-800-267-0455

DATE PREPARED April 1, 2015

THE INFORMATION CONTAINED HEREIN IS OFFERED ONLY AS A GUIDE TO THE HANDLING OF THIS SPECIFIC MATERIAL AND HAS BEEN PREPARED IN GOOD FAITH BY TECHNICALLY KNOWLEDGEABLE PERSONNEL. IT IS NOT INTENDED TO BE ALL-INCLUSIVE AND THE MANNER AND CONDITIONS OF USE AND HANDLING MAY INVOLVE OTHER ADDITIONAL CONSIDERATIONS. NO WARRANTY OF ANY KIND IS GIVEN OR IMPLIED AND KUUSPORT MANUFACTURING LIMITED 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.