

MATERIAL SAFETY DATA SHEET

KUUS INC.

KNOCK DOWN PROFESSIONAL HORNET & WASP BLASTER SPRAY

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 PROFESSIONAL HORNET & WASP BLASTER SPRAY FORMULA: DOMESTIC
PRODUCT CODE	KD131P
PRODUCT USE	INSECTICIDE

2. INGREDIENTS OF MATERIALS

INGREDIENTS	PERCENTAGE (%)	CAS NUMBER:	LD50(species/route)	LD50(species/route)
Tetramethrin	0.20	7696-12-0	>5000mg/kg oral-rat	N/A
d-Phenothrin	0.125	26002-80-2	N/A	N/A
Carbon Dioxide	1-5	124-38-9	N/A	N/A
Isopar M	60-100	64742-47-8	>5000mg/kg	N/A

3. PHYSICAL DATA FOR PRODUCT

PHYSICAL STATE	AEROSOL
ODOUR AND APPEARANCE	LIGHT AMBER. INSECTICIDE.
VAPOUR PRESSURE (mm Hg)	83-93 at 20°C
SPECIFIC GRAVITY	0.67-0.71
EVAPORATION RATE	(N-BUTYL ACETATE=1): GREATER THAN 1
VAPOUR DENSITY	(AIR=1): GREATER THAN 1
% VOLATILE	(BY WEIGHT): 99-100

BOILING POINT	92°C
SOLUBILITY IN WATER (20°C)	NOT AVAILABLE

4. FIRE AND EXPLOSION HAZARD OF PRODUCT

EXTINGUISHING MEDIA	WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.
FLASHPOINT	-4°C
UPPER EXPLOSION LIMIT (% BY VOL)	6.7
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.
ACUTE EFFECTS – EYE	FREQUENT OR PROLONGED CONTACT TO VAPOURS 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

HEPTANE CONTAINS TRACE AMOUNT OF BENZENE – CARCINOGENIC
RISKS TO HUMANS

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

RUBBER SAFETY BOOTS

RESPIRATOR REQUIREMENTS

NONE REQUIRED FOR NORMAL USAGE.

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.
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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 3. ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE LISTED.
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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 3. 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: . .
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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 CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. CAS #: CHEMICAL NAME: . *71-43-2 BENZENE (TRACE AMOUNT IN HEPTANE) .
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.

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.