



# BANISH aerosol-domestic

## **SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

### EMERGENCY TELEPHONE NUMBER

In case of medical environmental or transportation emergencies or inquiries. call 1-800-471-0660 (24 hours day).

CANUTEC EMERGENCY #:1-613-996-6666 (24HR)

PRODUCT NAME..... same as above

FORMULATION #.....BANISH

CHEMICAL FAMILY.....D-TRANS ALLETHRIN/PIPERONYL BUTOXIDE.

TRADE NAMES & SYNONYMS.....SAME AS PRODUCT NAME.

PRODUCT USES.....INSECTICIDE.

CHEMICAL FORMULA.....NOT APPLICASBLE.

MOLECULAR WEIGHT.....NOT APPLICABLE.

T.D.G. CLASSIFICATION.....CONSUMER COMMODITY.

WHMIS CLASSIFICATION.....NOT APPLICABLE.

CNFC SECTION 3.3.5.....LEVEL 1.

NFPA CODE 30B.....LEVEL 1.

HMIS RATING FLAMMABILITY.....1 SLIGHT HAZARD.

HMIS RATING HEALTH.....2 MODERATE HAZARD.

HMIS RATING REACTIVITY.....1 SLIGHT HAZARD.

## **SECTION 02: HAZARDOUS INGREDIENTS**

|                    | % CAS / TLV      | LD/50,         | ROUTE,             | SPECIES    | LC/50, ROUTE, SPECIES |
|--------------------|------------------|----------------|--------------------|------------|-----------------------|
| D-TRANS ALLETHRIN  | 0.200 28434-00-6 | 709-1042 mg/kg | >2000 mg/m3 (24 H) | N/A        | ORAL - RAT            |
| PIPERONYL BUTOXIDE | 1.000 51-03-6    | 7.5-10.0 g/kg  | N/A                | ORAL-RAT   |                       |
| ISOPROPANOL        | 7-13 67-63-0     | >4720 mg/kg    | 12000 ppm (8hr)    | 400 ppm    | ORAL- RAT INHAL RAT   |
| DIPROPYLENE GLYCOL | 3-7 25265-71-8   | 14,800 mg/kg   | N/A                | ORAL - RAT |                       |
| DIMETHYL ETHER     | 15-40 115-10-6   | N/A            | 164000 ppm (4h)    | 1000 ppm   | RAT - INHAL           |

## **SECTION 03: PHYSICAL DATA**

PHYSICAL STATE.....AEROSOL.

BOILING POINT (DEG C)(CONC).....83-232.

VAPOUR PRESSURE(PSIG)-AEROSOL.....45 - 55. @ 20 C

VAPOUR DENSITY (AIR=1).....GREATER THAN 1. (BY WEIGHT)

SOLUBILITY IN WATER.....NOT AVAILABLE.

APPEARANCE.....YELLOW EMULSION.

ODOR.....INSECTICIDE.

ODOR THRESHOLD.....NOT AVAILABLE.

SPECIFIC GRAVITY (LIQUID).....0.95-0.99.

SPECIFIC GRAVITY (AEROSOL).....0.83-0.87.

AEROSOL PERCENT VOC (W/W).....42-43.

AEROSOL PERCENT VOLATILE.....98-99. (BY WEIGHT)

EVAPORATION RATE.....GREATER THAN 1

n-BUTYL ACETATE = 1 pH.....8-9.

FREEZING POINT: (C).....NOT AVAILABLE.

COEFFICIENT OF WATER/OIL.....NOT AVAILABLE. DIST.

## **SECTION 04: FIRE & EXPLOSION DATA**

AEROSOL FLAME PROJECTION

CLASSIFIED AS:.....0 CM.



FLASHBACK.....NONE.  
FLAMMABILITY.....NON-FLAMMABLE.  
IF YES, UNDER WHICH.....EXCESSIVE HEAT, SPARKS AND OPEN FLAME.  
CONDITIONS ?  
EXTINGUISHING MEDIA.....CARBON DIOXIDE, DRY CHEMICAL, FOAM.  
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 APPARTATUS SHOULD BE WORN IN A  
FIRE INVOLVING THIS MATERIAL.  
FLASH POINT (C), TAG CLOSED.....14-121.CUP  
AUTO IGNITION TEMPERATURE (C).....399.  
LOWER FLAMMABLE LIMIT.....2.0 (% BY VOLUME)  
UPPER FLAMMABLE LIMIT.....18.0. (% BY VOLUME)  
HAZARDOUS COMBUSTION  
PRODUCTS.....HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION  
IS INCOMPLETE.  
EXPLOSION DATA SENSITIVITY TO STATIC.....NOT APPLICABLE.  
DISCHARGE SENSITIVITY TO IMPACT.....NOT APPLICABLE.

#### **SECTION 05: REACTIVITY DATA**

CHEMICAL STABILITY: YES.....UNDER NORMAL CONDITIONS.  
NO, WHICH CONDITIONS?.....NOT APPLICABLE.  
COMPATABILITY WITH OTHER SUBSTANCES : NO, WHICH ONES?.....STRONG OXIDIZING  
AGENTS.  
HAZARDOUS PRODUCTS OF DECOMPOSITION.....HYDROCARBON FUMES AND SMOKE. CARBON  
MONOXIDE WHERE COMBUSTION IS INCOMPLETE.  
REACTIVITY CONDITIONS?.....NOT APPLICABLE.

#### **SECTION 06: TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY:  
SKIN CONTACT.....MAY CAUSE IRRITATION.  
SKIN ABSORPTION.....NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.  
EYE CONTACT.....VAPOUR MAY IRRITATE.  
INHALATION.....INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A  
SIMPLE ASPHYXIANT.  
INGESTION.....MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.  
EFFECTS OF ACUTE EXPOSURE.....DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.  
EFFECTS OF CHRONIC EXPOSURE.....SOLVENTS MAY CAUSE DEFATTING DERMATITIS.  
EXPOSURE LIMIT OF MATERIAL.....SEE SECTION II.  
IRRITANCY OF MATERIAL.....SLIGHT.  
SENSITIZING CAPABILITY OF.....UNKNOWN.  
MATERIAL 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).



REPRODUCTIVE EFFECTS.....NO INFORMATION IS AVAILABLE AND NO ADVERSE  
REPRODUCTIVE EFFECTS ARE ANTICIPATED.  
TERATOGENICITY.....NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC  
EFFECTS ARE ANTICIPATED.  
MUTAGENICITY.....NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS  
ARE ANTICIPATED.  
SYNERGISTIC MATERIALS.....NONE KNOWN.

#### **SECTION 07: PREVENTIVE MEASURES**

GLOVES/ TYPE.....NOT NORMALLY REQUIRED.  
RESPIRATORY/TYPE.....NOT NORMALLY REQUIRED.  
EYE/TYPE.....SAFETY GLASSES.  
FOOTWEAR/TYPE.....NOT NORMALLY REQUIRED.  
OTHER/TYPE.....NOT REQUIRED.  
ENGINEERING CONTROLS.....VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON  
A CONTINUOUS BASIS).  
LEAK/SPILL:.....REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL,  
AND NON-SPARKING TOOLS. AVOID BREATHING FUMES. VENTILATE  
AREA. PREVENT FROM ENTERING A WATERCOURSE.  
HANDLING PROCEDURES AND EQUIPMENT.....STORE IN A COOL, WELL VENTILATED AREA  
NOT TO EXCEED 50 DEG C.  
WASTE DISPOSAL.....DO NOT PUNCTURE OR INCINERATE CONTAINERS,  
EVEN WHEN EMPTY.DIPOSE OF IN ACCORDANCE WITH LOCAL,  
PROVINCIAL AND FEDERAL REGULATIONS.  
STORAGE NEEDS.....KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.  
SPECIAL SHIPPING INSTRUCTIONS.....SEE SECTION 1.....TDG CLASSIFICATION.

#### **SECTION 08: 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 09: ADDITIONAL INFORMATION**

THE INFORMATION ON THIS MATERIAL SAFETY

NOTICE FROM **NPI & BUGCON** DATA SHEET IS PROVIDED BY **NPI & BUGCON** FREE OF CHARGE.  
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DATED.....22 September 2004

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with label instructions.