



# MATERIAL SAFETY DATA SHEET

**CHROMATE INDUSTRIAL CORPORATION®**

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**FOR CHEMICAL  
EMERGENCY**

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## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** INSECT REPELLANT 6 OZ  
**PART NUMBER:** 74705  
**PRODUCT TYPE:** INSECTICIDE  
**CHEM. FAMILY:** MGK264/DEET

**DATE PREPARED:** March 31, 2009

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## SECTION 2 – COMPOSITION / DATA ON COMPONENTS

HAZARDOUS INGREDIENTS	%	EXPOSURE LIMIT	C.A.S.#	LD <sub>50</sub> , ROUTE, SPECIES	LC <sub>50</sub> ROUTE, SPECIES
N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	1.110	NOT AVAILABLE	113-48-4	4980 mg/kg ORAL - RAT	4080 mg/L INHAL - RAT
N,N-DIETHYL M-TOLUAMIDE	8.890	NOT AVAILABLE	134-62-3	2000 mg/kg ORAL-RAT	5950 mg/kg INHAL-RAT
ISOPROPYL MYRISTATE	1-5		110-27-0	NOT AVAILABLE	NOT AVAILABLE
ISOBUTANE	3-7	1000 ppm	75-28-5	NOT APPLICABLE	142,500 PPM (4H) INHAL - RAT
PROPANE	1-5	1000 ppm	74-98-6	NOT APPLICABLE	NOT AVAILABLE

## SECTION 3 – HAZARDS IDENTIFICATION

### ROUTE OF ENTRY

**INGESTION:** May cause headache, nausea, vomiting and weakness.

**INHALATION:** Inhalation of solvents may cause irritation. Propellant is a simple asphyxiant.

**EYE CONTACT:** Vapors may irritate.

**SKIN ABSORPTION:** No data available for this product mixture.

**SKIN CONTACT:** May cause irritation.

**EFFECTS OF ACUTE EXPOSURE:** Dizziness, nausea, irritation to skin and eyes.

**EFFECTS OF CHRONIC EXPOSURE:** Solvents may cause defatting dermatitis.

**EXPOSURE LIMIT OF MATERIAL:** See Section 2.

## SECTION 4 – 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 vapor or spray mist, remove to fresh air. If swallowed, **DO NOT INDUCE VOMITING**. Get medical attention.

## SECTION 5 – FIRE-FIGHTING MEASURES

**AUTO-IGNITION TEMPERATURE (°C):** N/A

**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.

**FLAMMABILITY:** NOT A FLAMMABLE PRODUCT (AS PER CANADIAN AEROSOL REGULATIONS).

**IF YES, UNDER WHICH CONDITIONS?** Excessive heat, sparks and open flame.

**EXTINGUISHING MEDIA:** Water, Carbon Dioxide, Dry Chemical, Foam.

**UPPER FLAMMABLE LIMIT: (% BY VOLUME):** 9.5

**LOWER FLAMMABLE LIMIT: (% BY VOLUME):** 0.8

### EXPLOSION DATA

**SENSITIVITY TO DISCHARGE:** N/A

**SENSITIVITY TO IMPACT:** N/A

**HAZARDOUS COMBUSTION PRODUCTS:** Hydrocarbon fumes and smoke. Carbon Monoxide where combustion is incomplete.

**AEROSOL FLAME PROJECTION CLASSIFIED AS:** 0 cm

**FLASHBACK:** NONE

**FLASH POINT (°C) TAG CLOSED-CUP (CONCENTRATE):** N/A

N/A — NOT APPLICABLE  
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**LEAK/SPILL:** Remove all sources of ignition. Use an inert absorbent material, and use non-sparking tools. Ventilate area. Prevent from entering a watercourse.

**SECTION 7 – 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 EQUIPMENT:** Store in a cool, well ventilated area not to exceed 50°C.

**SYNERGISTIC MATERIALS:** None known.

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**GLOVES/TYPE:** Chemical resistant gloves.

**RESPIRATORY/TYPE:** If used indoors on a continuous basis, use of a cartridge-type respirator (NIOSH/MSHATC 23C or equivalent) is recommended.

**EYE/TYPE:** Safety glasses.

**FOOTWEAR/TYPE:** Not normally required.

**OTHER/TYPE:** Not required.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Aerosol

**ODOR:** Insecticide

**VAPOR PRESSURE (PSIG)-AEROSOL@20°C:** 55-65

**EVAPORATION RATE (n-BUTYL ACETATE=1):** <1

**SOLUBILITY IN WATER g/L (20°C):** Soluble

**SPECIFIC GRAVITY (LIQUID):** 0.98-1.02

**FREEZING POINT (°C):** N/A

**SPECIFIC GRAVITY (AEROSOL):** 0.90-0.94

**APPEARANCE:** Off white liquid

**ODOR THRESHOLD:** N/A

**BOILING POINT (°C)(CONCENTRATE):** 100

**VAPOR DENSITY (AIR = 1):** >1

**pH:** 7.3-8.3

**CO-EFFICIENT OF WATER/OIL DISTRIBUTION:** N/A

**AEROSOL PERCENT VOLATILE (BY WEIGHT):** >95

**AEROSOL PERCENT VOC (W/W):** 24-25

**SECTION 10 – STABILITY AND REACTIVITY DATA**

**HAZARDOUS PRODUCTS OF DECOMPOSITION:** Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.

**CHEMICAL STABILITY:** Yes, under normal conditions.

**COMPATIBILITY WITH OTHER SUBSTANCES:**

**NO, WHICH ONES?** Strong Oxidizing Agents

**REACTIVITY CONDITIONS:** N/A

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**REPRODUCTIVE EFFECTS:** No information is available and no adverse reproductive effects are anticipated.

**IRRITANCY OF MATERIAL:** Slight.

**SENSITIZING CAPABILITY OF MATERIAL:** Unknown.

**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 IARC (International Agency for Research on Cancer), nor by ACGIH (American Conference of Governmental Industrial Hygienists).

**TERATOGENICITY:** No information is available and no adverse teratogenic effects are anticipated.

**MUTAGENICITY:** No information is available and no adverse mutagenic effects are anticipated.

**SECTION 12 – ECOLOGICAL INFORMATION**

**ENVIRONMENTAL:** N/A

**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 – TRANSPORT INFORMATION**

**DOT CLASSIFICATION:** Consumer Commodity, ORM-D

**T.D.G. CLASSIFICATION:** Consumer Commodity, (AEROSOLS, UN1950, CLASS 2.1)

**SECTION 15 – REGULATIONS****CANADIAN REGULATIONS:**

**WHMIS CLASSIFICATION:** N/A

**CNFC SECTION 3.3.5:** LEVEL 1

**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:** 1 SLIGHT HAZARD.

**HMIS RATING REACTIVITY:** 0 MINIMAL HAZARD.

**HMIS RATING PERSONAL PROTECTION:** B

**NFPA CODE 30B:** LEVEL 1

**SARA 313 INFORMATION:** THIS PRODUCT CONTAINS NO INGREDIENTS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.

**CAS #:**                   **CHEMICAL NAME:**  
N/A

**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: 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%):** 24-25

**SECTION 16 – OTHER INFORMATION**

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