

# MATERIAL SAFETY DATA SHEET

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DATE OF ISSUE: January, 05, 2006

GENERAL INFORMATION # : 314-647-1888  
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## I-PRODUCT IDENTIFICATION

### RESIDUAL ROACH SPRAY

**PRODUCT CODE:** #196  
**CHEMICAL FORMULATION:** ROACH KILLER  
**NFPA HAZARD IDENTIFICATION SYSTEM:** HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0  
**HAZARD RATING:** 4- Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity; Common Name (s))	CAS #	OSHA PEL	ACGIHTLV	Other Limits	
				Recommended	% optional
CHLORPYRIFOS	2921-88-2		.2mgm/m3		0.5

NOTICE: THIS PRODUCT MAY CONTAIN ONE OF THE LISTED SARA TITLE III SECTION 313 CHEMICALS

67-64-1 ACETONE	71-55-6 1,1,1-TRICHLOROETHANE	13463-67-7 TITANIUM DIOXIDE
500-00-0 FORMALDEHYDE	75-09-2 METHYLENE CHLORIDE	7664-38-2 PHOSPHORIC ACID
67-56-1 METHANOL	107-21-1 ETHYLENE GLYCOL*	7761-88-8 SILVER NITRITE
95-48-7 O-CRESOL	114-26-1 PROPOXUR	7664-93-9 SULFURIC ACID
94-75-7 2,4-D	108-88-3 TOLUENE	7440-66-6 ZINC (DUST)
72-43-5 METHOXYCHLOR	127-18-4 TETRACHLOROETHYLENE	7647-01-0 HYDROCHLORIC ACID
78-92-2 SEC-BUTYL ALCOHOL	139-13-9 NITRILOTRIACETIC ACID	1330-20-7 XYLENE, MIXED ISOMERS
*POSSIBLE GLYCOL ETHERS.		1310-73-2 SODIUM HYDROXIDE SOLUTION

**Key:** PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III/ List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III/ List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - PHYSICAL DATA

BOILING POINT (C/F): 212°F	MELTING POINT: N/E
VAPOR PRESSURE (mm Hg.)@20C N/A	SPECIFIC GRAVITY (WATER = 1): 1.00
CORROSION RATE: N/E	WATER REACTIVE: NONE
VAPOR DENSITY (AIR = 1): 1	VAPOR PRESSURE (NON-AEROSOLS): 17 (mm Hg and Temperature)
SOLUBILITY IN WATER: TOTAL	EVAPORATION RATE (Butyl Acetate = 1): 1 pH:
APPEARANCE AND ODOR: OFF-WHITE HAZY FLUID WITH MILD ODOR	

## IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (F/(C)): NONE. TCC (TEST METHOD):  
FLAMMABLE LIMITS: UPPER: N/A LOWER: N/A  
EXTINGUISHING MEDIA: NONE

**SPECIAL FIRE FIGHTING PROCEDURES:** WATER-BASED FLUID. KEEP COOL IN CASE OF A FIRE

**UNUSUAL FIRE AND EXPLOSION HAZARD:** MAY EMIT FUMES OF NO<sub>x</sub>, Cl, PO<sub>x</sub>, AND SO<sub>x</sub> AT TEMPERATURES ABOVE 320-392°F

## V - REACTIVITY DATA

STABILITY:	STABLE
INCOMPATIBILITY:	NONE
CONDITIONS TO AVOID:	INGREDIENTS MAY DECOMPOSE AT TEMP. ABOVE 160°C. (320°F)
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	MAY PRODUCE Cl, NO <sub>x</sub> , PO <sub>x</sub> , SO <sub>x</sub> IN SMALL QUANTITIES
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS TO AVOID:	SEE ABOVE

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## VI - HEALTH AND HAZARD DATA

ROUTES OF ENTRY: INHALATION? YES SKIN? YES INGESTION? N/A EYE? YES

HEALTH HAZARDS (ACUTE & CHRONIC):

CARCINOGENICITY: NTP? N/A IARC MONOGRAPHS? N/A OSHA REGULATED? N/A

### EFFECTS OF OVEREXPOSURE

IF IN EYES: MAY CAUSE IRREVERSIBLE EYE DAMAGE - PUPIL CONTRACTION

IF ON SKIN: PRIMARY MEANS OF EXPOSURE - IRRITANT

IF SWALLOWED: MAY BE FATAL IN LARGE AMOUNTS

IF INHALED: NAUSEA, PUPIL CONTRACTION, MUSCLE TWITCHING

### EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: WASH WITH WATER FOR 15 MINUTES. CONTACT A PHYSICIAN

IF ON SKIN: WASH WITH SOAP AND WATER

IF SWALLOWED: IF SWALLOWED INDUCE VOMITING BY DRINKING 2 GLASSES OF WATER - CALL A PHYSICIAN.

IF INHALED: REMOVE TO FRESH AIR

## VII - SPILL AND LEAK PROTECTION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: AVOID BREATHING VAPORS - TOXIC TO FISH BIRDS AND WILDLIFE. CONTAIN SPILL BY DIKING. KEEP OUT OF SEWERS. SUCK UP WITH WET/DRY VAC.

WASTE DISPOSAL METHOD: IN ACCORDANCE WITH LOCAL, STATE, FEDERAL REGULATIONS.

## VIII - SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: MECHANICAL AND LOCAL EXHAUST TO MAINTAIN VAPOR LEVELS BELOW TLV OF CHLORPYRIFOS.

RESPIRATORY PROTECTION: DO NOT SPRAY IN CONFINED AREAS WITHOUT NIOSH APPROVED BREATHING APPARATUS

PROTECTIVE GLOVES: RUBBER OR PLASTIC

EYE PROTECTION: GOGGLES OR SAFETY GLASSES

OTHER PROTECTIVE EQUIPMENT: CLEANED BODY COVERING AND BOOTS, IF DESIRED

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP OUT OF REACH OF CHILDREN. DO NOT GET ON SKIN OR IN EYES. STORE IN CLOSED CONTAINERS FOR NOT MORE THAN 1 YEAR.

OTHER PRECAUTIONS: PROTECT ALL WILDLIFE AND DO NOT ALLOW PRODUCT INTO WATERWAYS

WORK/HYGIENIC PRACTICES : WASH OFF WITH SOAP AND WATER AFTER HANDLING

REVISION DATE: January 05, 2005

Prepared By:

DATE OF ISSUE: January 05, 2005

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