

# MATERIAL SAFETY DATA SHEET

## SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Hydro-Balance Swat	Date Prepared	May 15, 2009
Product Number(s): H-214	Replaces	Mar. 22, 2004
Product Use: aerosol Wasp & Hornet Killer		
Company Name: North American Research Corporation P.O. Box 1318 Lewisville, TX 75067		
Telephone Numbers: (972) 492-1800, (800) 527-7520, Fax (972) 394-6755		
Emergencies: Infotrac (800) 535-5053 (24 hours, everyday)		

## SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200):

	CAS Registry No.	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Hydrotreated Petroleum Distillate	64742-47-8	100 ppm	100 ppm	Not est.	<94
Tetramethrin	7696-12-0	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	Not est.	0.1
Pyrethrins	8003-34-7	Not est.	Not est.	Not est.	0.25
Piperonyl Butoxide	51-03-6	Not est.	Not est.	Not est.	0.5
Carbon Dioxide (propellant)	124-38-9	800 ppm	Not est.	Not est.	

## SECTION 3 HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

**CAUTION!** Harmful if absorbed through the skin or inhaled. Harmful or fatal if swallowed. Aspiration hazard. Irritating to eyes and skin. Avoid breathing vapors or spray mist. Can cause nervous system depression. Keep away from heat and flames. Contents under pressure.

Primary route(s) of entry: Skin contact/absorption, inhalation.

### POTENTIAL HEALTH EFFECTS (Acute)

**INHALATION:** High vapor/aerosol concentrations (>1000 ppm) are irritating to the eyes and respiratory tract. May cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. May cause peripheral nervous system disorder and/or damage.

**SKIN:** May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying of the skin and skin burns.

**EYE:** May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

**INGESTION:** Harmful or fatal if swallowed. Aspiration hazard—this material can enter lungs during swallowing or vomiting and can cause lung inflammation and damage.

**POTENTIAL HEALTH EFFECTS (Chronic/Long term effects):** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

Signs and symptoms of overexposure to this material through breathing, swallowing, and/or passage of material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

Target organ effects: No data      Reproductive/Developmental Information: No data

CARCINOGENICITY: OSHA: No      IARC: No      NTP: No

## SECTION 4 FIRST AID MEASURES

**INHALATION:** Remove to fresh air. If breathing has stopped, administer artificial respiration. Contact physician or emergency medical facility immediately.

**SKIN:** Remove contaminated clothing and shoes. Wash contact area with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash clothing before reuse.

**EYES:** Immediately flush eyes with large amounts of water for at least 15 minutes while frequently lifting the upper and lower eyelids. If irritation persists, call a physician.

**INGESTION:** DO NOT induce vomiting. Contact a physician or emergency medical facility immediately. Never give anything by mouth to an unconscious person.

## SECTION 5 FIRE-FIGHTING MEASURES

FLASHPOINT: 150°F      METHOD: TCC      FLAMMABLE LIMITS: Not determined

AUTOIGNITION TEMP: Not determined

EXTINGUISHING MEDIA: CO<sub>2</sub>, dry chemical, or foam is recommended

HAZARDOUS COMBUSTION PRODUCTS: CO<sub>2</sub> and carbon monoxide (fire)

FIRE FIGHTING INSTRUCTIONS: Use flooding quantities of water as fog or spray to keep fire-exposed containers cool. Aerosol cans may explode if heated above 120°F.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Spill/Leak Procedures: Usually not a problem with aerosols. Area should be ventilated. Eliminate all ignition sources. Use absorbent to pick up excess material. All used and unused product should be disposed of in accordance with federal, state, and local regulations.

**SECTION 7 STORAGE AND HANDLING****STORAGE CONDITIONS:**

Store in labeled, original containers in a cool, dry, well-ventilated area. Replace aerosol over-cap when not in use. Do not remove or deface label. Keep aerosol cans below 120°F to avoid bursting.

**HANDLING PROCEDURES:**

Avoid contact with skin and avoid breathing vapors. Do not eat, drink, or smoke in work area. Wash hands before eating, drinking, or using the restroom. Any clothing or shoes which become contaminated should be removed immediately and thoroughly washed before wearing again. Do not use in poorly ventilated or confined spaces.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

EXPOSURE LIMITS: See section 2.

RESPIRATORY PROTECTION: When respiratory protection is required, use an organic vapor & particulate cartridge. All respiratory programs must meet OSHA's 29 CFR 1910.134 & ANSI Z88.2 requirements.

EYE PROTECTION: Wear safety glasses, chemical splash goggles, and/or face shield (ANSI Z87.1 or approved equivalent).

HAND PROTECTION: Wear solvent resistant gloves such as Viton, polyvinyl alcohol, or equivalent.

OTHER PROTECTION: Use chemically resistant apron or other impervious clothing to avoid skin contact.

ENGINEERING CONTROLS (Ventilation): Use in a well ventilated area equivalent to outdoors. Do not use in confined spaces. Local, mechanical exhaust may be necessary to maintain levels below exposure limits.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR: Colorless, clear liquid; slight petroleum odor

pH: Not applicable

SPECIFIC GRAVITY: 0.8

VAPOR PRESSURE: Not determined

VAPOR DENSITY: Not determined

SOLUBILITY IN WATER: negligible

EVAPORATION RATE (Butyl Acetate = 1): Not determined

BOILING POINT: 162°F

**SECTION 10 STABILITY AND REACTIVITY**

STABILITY: Stable

CONDITIONS TO AVOID: Extreme temperatures and ignition sources (sparks, open flame, heated surfaces).

INCOMPATIBILITY (Materials to Avoid): Acids and strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO<sub>2</sub>

**SECTION 11 TOXICOLOGICAL INFORMATION**

No data available.

**SECTION 12 ECOLOGICAL INFORMATION**

This product is toxic to fish and aquatic invertebrates.

**SECTION 13 DISPOSAL CONSIDERATIONS**

All disposal activities must comply with federal, state, and local regulations. See label for further instructions.

**SECTION 14 TRANSPORT INFORMATION**

U.S. Department of Transportation: Consumer Commodity, ORM-D (Domestic ground shipments)

**SECTION 15 REGULATORY INFORMATION**

TSCA: All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA: Pyrethrins [CAS 8003-34-7], RQ = 1 Lb.

SARA TITLE III:

Section 311/312 Hazard Category: Acute: Yes      Chronic: Yes      Fire: No      Pressure: Yes      Reactive Hazard: No

Section 313 Reportable Ingredients: Tetramethrin [CAS 7696-12-0], Piperonyl Butoxide [51-03-6].

**SECTION 16 OTHER INFORMATION**

NFPA RATING: Health – 2, Flammability – 4, Reactivity – 0

HMIS<sup>®</sup> RATING: Health – 2, Flammability – 4 (aerosol, compressed gas), Reactivity – 0

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