

M A T E R I A L S A F E T Y D A T A S H E E T

MotherEarth™ Wasp & Hornet Jet Spray

EMERGENCY PHONE NUMBERS:

MEDICAL: 800-225-3320 (Prosar)

TRANSPORTATION: 800-424-9300 (Chemtrec)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: MotherEarth™ Wasp & Hornet Jet Spray
Descriptor: Contact Insecticide
EPA Reg. No.: 499-519
Product Code: 02-0721 (6 x 14 oz)
EPA Signal Word: CAUTION
Distributed by: Whitmire Micro-Gen Research Laboratories, Inc.
 3568 Tree Court Industrial Blvd.
 St. Louis MO 63122-6682

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION INFORMATION

ACTIVE INGREDIENT* (10.0%)	%	CAS NO.
d-Limonene	10.0	5989-27-5
OTHER INGREDIENTS* (90.0%)	%	CAS NO.
Petroleum Distillate	proprietary	64742-47-8

* All ingredients may not be listed. Ingredients not listed do not meet the reporting requirements of the OSHA Hazard Communication Standard (HCS) as specified in 29 CFR 1910.1200.

EXPOSURE INFORMATION

MATERIAL	OSHA PEL		ACGIH TLV	
	STEL	TWA	STEL	TWA
d-Limonene	NE	NE	NE	NE
Petroleum Distillate*	NE	NE	NE	NE

* supplier recommended STEL = 300 ppm.

SECTION 3. HAZARDS IDENTIFICATION

NOTES TO PHYSICIAN

Contains petroleum distillate - vomiting may cause aspiration pneumonia. No specific antidote is available. Treat the patient symptomatically.

SIGNS/SYMPTOMS OF EXPOSURE

Can cause stomach irritation resulting in nausea, cramps and vomiting. Can cause nervous system disorders such as fatigue, dizziness, headache, lack of coordination, tremors and unconsciousness.

ROUTES OF ENTRY

Primary: Inhalation **Secondary:** Skin **Tertiary:** Ingestion

HAZARDOUS DECOMPOSITION PRODUCTS

No unusual decomposition products.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

SECTION 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. Describe symptoms and follow advice given.

Ingestion: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Skin Contact: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 min. Call a poison control center or doctor for treatment advice.

Eye Contact: Hold eyes open and rinse slowly and gently with water for 15 - 20 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

Note to Physician: Contains petroleum distillate - vomiting may cause aspiration pneumonia. No specific antidote is available. Treat the patient symptomatically.

Emergency Telephone Number of Prosar: 800-225-3320

Medical Conditions Generally Aggravated by Exposure: None known

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (Tag Closed Cup): 92.2°C (197.86°F)

Flammable Limits In Air (% by volume):

Lower (LEL) = 1.3% Upper (UEL) = 8.1%

NFPA 30B Flammability: Level 3 Aerosol

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

IN CASE OF FIRE

Extinguisher Media: Dry Chemical, Foam

Special Fire Fighting Procedures: None required

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), allow to discharge completely in well ventilated area, then dispose of as directed below. This product contains no Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) listed chemicals. Spills/releases of this product are not reportable to the National Response Center.

Emergency Telephone Number of Chemtrec: 800-424-9300 (for transportation spills)

PROTECTIVE EQUIPMENT

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Wear chemical-resistant gloves. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Inhalation: Wear a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter may be used.

WASTE DISPOSAL METHOD

Full or leaking containers should be taken to a local disposal company for biological treatment or incineration. Whitmire Micro-Gen suggests that all local, state, and Federal regulations concerning health and pollution be reviewed to determine approved disposal procedures. Do not contaminate water, food or feed by storage or disposal.

SECTION 7. HANDLING AND STORAGE

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION – Contains petroleum distillate. Harmful if on skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

PHYSICAL OR CHEMICAL HAZARDS

Flammable. Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

OTHER PRECAUTIONS

Do not use this product in electrical equipment (where there is exposed wiring or contact points due to the possibility of short circuits and shock hazard. Do not spray directly into any electronic equipment such as radios, televisions, computers, etc.

Do not spray on plastic (including, but not limited to, vinyl), painted or varnished surfaces. Product should be used when can temperature is above 60°F. If can temperature is below 60°F, store at room temperature until temperature above 60°F is reached.

STORAGE

Do not contaminate water, food or feed. Store in a cool dry area away from heat or open flame and inaccessible to children.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: Not required. For prolonged exposure a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter may be used.

Protective Gloves: In situations where contact with skin is likely to occur, wear chemical-resistant gloves.

MATERIAL SAFETY DATA SHEET

MotherEarth™ Wasp & Hornet Jet Spray

Eye Protection: Safety glasses recommended.

Other Protective Equipment: None required

VENTILATION

Local Exhaust: Not required

Mechanical: Not required

Special: Not required

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear, slightly atomized liquid
pH (1% by mass): 7.73 @ 24.6°C (76.3°F)
Boiling Point: NA (end use product)
Vapor Pressure: NA (end use product)
Freezing/Melting Point: NA (end use product)
Viscosity: 186 cps @ 22°C (71.6°F)
Density: 0.8012 g/ml @ 20°C (68°F)
Solubility in Water: NA (end use product)

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Stable

Conditions to Avoid: Do not spray into open flame or onto very hot surfaces.

Exposure to temperatures above 130°F may cause bursting.

Incompatibility (materials to avoid): Strong acidic or alkaline materials and strong oxidizing agents.

Hazardous Polymerization: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS

No unusual decomposition products

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

Primary: Inhalation

Secondary: Skin

Tertiary: Ingestion

ACUTE

Eyes: Product produced conjunctival irritation in rabbits which cleared within 48 hr. No corneal opacity or iritis observed. This product is classified as minimally irritating to the eye.

Skin: Acute dermal toxicity (rats) LD₅₀ > 5,000 mg/kg. Produced an average primary dermal irritation index of 3.9 in rabbits. Not a dermal sensitizer to guinea pigs.

Ingestion: Acute oral toxicity (rats) LD₅₀ > 5,000 mg/kg

Inhalation: Not likely due to the product being pressurized and producing particles large enough not to be respirable. Acute inhalation toxicity (rats) LC₅₀ > 2.05 mg/L.

CHRONIC / CARCINOGENICITY

This product is not classified as a carcinogen by the National Toxicity Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

SECTION 12. ECOLOGICAL INFORMATION

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal.

Container Disposal: Do not puncture or incinerate! Empty container by using the product in accordance with the label directions. Offer empty container for recycling, if available, or place in trash if allowed by state and local regulations. If container is partly full, contact your local solid waste agency for disposal instructions.

Waste Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

SECTION 14. TRANSPORT INFORMATION

SHIPMENT BY GROUND WITHIN U.S. (DOT CLASSIFICATION)

Proper Shipping Description: Consumer Commodity, ORM-D

Package Marking: Consumer Commodity, ORM-D

Package Labeling: No label required

Certified Packaging: Not required

SHIPMENT BY WATER (IMDG CLASSIFICATION)

Proper Shipping Description: Dangerous goods in Limited Quantities of Class 2.1

Package Marking: Dangerous goods in Limited Quantities of Class 2.1

Package Labeling: No label required

Certified Packaging: Not required

SHIPMENT BY AIR (ICAO/IATA CLASSIFICATION)

Proper Shipping Description: Aerosols, Flammable, 2.1, UN 1950, Ltd. Qty.

Package Marking: Aerosols, Flammable, UN 1950, Ltd. Qty.

Package Labeling: Flammable Gas

Certified Packaging: Not required

Other Requirements or Instructions: Complete air bill with packing instruction "Y203, ERG code 10L"

Product in unopened original packaging is compliant with all regulations for ground shipment within the U.S. WMG disclaims any liability for claims or damages that may result from shipment by other means. Consult appropriately trained shipping professional before offering for shipment by water or air.

SECTION 15. REGULATORY INFORMATION

CERCLA

This product contains no CERCLA listed chemicals.

SARA TITLE III SECTION 311/312 HAZARD CLASS

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Acute Health Hazard

Fire Hazard

Release of Pressure (puncture) Hazard

SARA TITLE III SECTION 313 CHEMICALS

This product contains no Section 313 chemicals exceeding the de minimus concentration levels.

TSCA

All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

SECTION 16. OTHER INFORMATION

NFPA HEALTH RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 1 REACTIVITY - 1

HMIS HAZARD RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 1 REACTIVITY - 1

KEY: 4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. **For automatic MSDS updates, register at www.wmg.com.**

Questions concerning the safe handling of the product should be referred to the Whitmire Micro-Gen Customer Service department at 800-777-8570.

NA - Not Applicable
NE - Not Established
PEL - Permissible Exposure Limit
TLV - Threshold Limit Value
STEL - Short Term Exposure Limit (15 min)
TWA - Time Weighted Average (8 hr)



WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.

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