

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

MATERIAL IDENTIFICATION~

NAME: HEARTLAND AUTO-MIST 3 CONCENTRATED INSECT KILLER~  
 DISTRIBUTOR: DVC, Inc.~  
                   P.O. Box 181030~  
                   Memphis, TN 38181-1030~  
 EMERGENCY TELEPHONE: 901-362-1950/Chemtrec 800-424-9300~  
 DATE PREPARED: May 23, 1995~  
 DATE UPDATED: March 8, 2001  
 BY: Bill Washburn

SECTION 1 : GENERAL INFORMATION~

MANUFACTURER: Speer Products Inc.~  
 ADDRESS : 4242 B.F. Goodrich Blvd.~  
                   Memphis, TN 38118~  
 PROPER SHIPPING NAME(49CFR 172.101): Consumer Commodity~  
 D.O.T. HAZARD CLASS(49CFR 172.101) : ORM-D  
 E.P.A. REGISTRATION NUMBER: 68688-48-68748  
 GENERIC DESCRIPTION: Liquid Insecticide Spray

SECTION 2 : HAZARDOUS INGREDIENTS \*~

Material	CAS#	%	TWA	STEL~
Pyrethrins	121-29-9	0.975	5mg/m3	not est.~
Piperonyl butoxide~	51-03-6	1.950	not est.	not est.~
N-Octyl Bicycloheptene Dicarboximide	113-48-4	3.210	not est.	not est.~
Petroleum distillate	68742-47-8	<10.00	400ppm	not est.~
Hydrocarbon Propellant Blend	75-28-5/ 75-37-6	<30.00 <50.00	800ppm not est.	Simple Asphyxiant not est.

\* Hazardous within the meaning of '29 CFR 1910.1200'~

SECTION 3 : EFFECTS OF OVEREXPOSURE~

EYES: May cause temporary discomfort.~

SKIN: May cause mild skin irritation.~

ACUTE INHALATION: Contains materials, which may irritate the nose, throat,  
 and respiratory tract.~

ORAL: Amounts transferred to the mouth by fingers, etc., during normal  
 operations should not cause injury.~

SYSTEMIC & OTHER EFFECTS: Headache, Dizziness, and Allergic Reaction

COMMENT: Unnecessary exposure to this product, or any chemical, should be avoided.~

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SECTION 4 : EMERGENCY AND FIRST AID PROCEDURES~  
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EYES: Keep material away from eyes, in case of contact flush eyes with warm water for 15 minutes. Obtain medical attention if irritation persists.

SKIN: Do not allow skin contact, wash immediately from skin with soap and warm water. Obtain medical attention if irritation persists.~

INHALATION: Remove to fresh air.~

ORAL: Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician immediately.

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SECTION 5 : FIRE AND EXPLOSION DATA~  
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FLASH POINT : TCC -30 degrees F~

AUTOIGNITION: Not est.~

FLAMMABILITY LIMITS IN AIR, % by vol.: UPPER: 9.50% LOWER: 1.80%~

UNUSUAL FIRE OR EXPLOSION HAZARDS: Containers may rupture and release flammable liquids and/or gases if exposed to heat above 130 degrees F.~

EXTINGUISHER MEDIA: Foam, CO2, and Halon

SPECIAL FIRE FIGHTING PROCEDURES: Self contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals. Do not use water, may spread fire.

Keep temperatures of containers below 130 degrees F by spraying with water until the fire is extinguished.~

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SECTION 6 : PHYSICAL DATA~  
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BOILING POINT (C): -25 SPECIFIC GRAVITY OF CONCENTRATE: 0.608~

VAPOR PRESSURE (PSIG @ 20C): 55 MM. PERCENT VOLATILE BY VOLUME: N/A~

VAPOR DENSITY(Air=1): >1.0~

SOLUBILITY IN WATER : insoluble EVAPORATION RATE(Water=1):~ >1.0~

APPEARANCE & ODOR: Consumer aerosol product, characteristic insecticidal

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SECTION 7 : REACTIVITY DATA~  
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STABILITY: STABLE~

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers

HAZARDOUS POLYMERIZATION: Will not occur.~

HAZARDOUS DECOMPOSITION PRODUCTS: Products of combustion are principally carbon dioxide, carbon monoxide and water.~

CONDITIONS TO AVOID: Do not store above 130F. Do not expose to direct sunlight. Do not store near open flame. Avoid heat, sparks, and flames.~

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SECTION 8 : SPILL, LEAK AND DISPOSAL PROCEDURES~  
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SPILL RESPONSE: Remove ignition sources. Use absorbent material to collect and contain for salvage or disposal. Ventilate area.~

This product contains the CERCLA listed chemical pyrethrins which has a reportable quantity (RQ) of 1 lb.

PROTECTIVE EQUIPMENT:~

EYES: Use proper protection --safety glasses as a minimum.~

SKIN: Wash hands after handling material.\*~

INHALATION: No respiratory protection required when used according to label directions. Avoid inhalation of vapors.~

WASTE DISPOSAL METHOD: Empty containers may be discarded in trash. Full or leaking containers should be taken to a local disposal company for biological treatment or incineration. SPEER PRODUCTS 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.~ Spills may be reportable to the National Response Center;~ (800-424-8802).~

\*Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.~

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SECTION 9 : ROUTINE HANDLING PRECAUTIONS~  
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PROTECTIVE EQUIPMENT: NONE REQUIRED~

SKIN: Avoid skin contact. Wash hands after using product.\*~

INHALATION: No respiratory protection needed when used according to directions.~

VENTILATION: Use only in a well-ventilated area.~

COMMENTS: Use only at normal room temperatures. Do not spray towards face.  
Avoid skin contact. Do not smoke while spraying.~

\*Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.~

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SECTION 10: SPECIAL PRECAUTIONS~  
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HANDLING & STORAGE: Do not store above 130 degrees F. Do not store near open flames. Store in a dry area inaccessible to children.~

OTHER PRECAUTIONS: Read and follow directions on product label.~

REGULATORY REQUIREMENTS: 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:~

An immediate health hazard  
A fire hazard  
Puncture

SARA 313 INFORMATION: This product contains the following substance subject the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:~

CHEMICAL	CAS NUMBER	DE MINIMIS CONCENTRATION
Piperonyl Butoxide	51-03-6	1.0

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These data are offered in good faith as typical values and not as a product specification. No warranty, either express or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.~