

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME WHITMIRE RESEARCH LABORATORIES, INC.		EMERGENCY TELEPHONE NO. 314- 225-5371
ADDRESS (Number, Street, City, State, and ZIP Code) 3568 Tree Court Industrial Blvd., St. Louis, MO 63122		
CHEMICAL NAME AND SYNONYMS Pyrethrum	TRADE NAME AND SYNONYMS PT 575	
CHEMICAL FAMILY Natural Organic Insecticide	FORMULA 0.5% Pyrethrum; 4.0% Piperonyl Butoxide	
EPA Reg. No. 499-154		

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS & Propellants	87.5	935 mg/m ³	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Pyrethrins I & II				0.5	5 mg/m ³
Technical Piperonyl Butoxide				4.0	50 mg/m ³
Refined Petroleum Oil				8.0	348 mg/m ³

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	n/a	SPECIFIC GRAVITY (H ₂ O=1) OF TOTAL container contents	1.18
VAPOR PRESSURE (mm Hg.) in aerosol container	3361 mmHg	PERCENT VOLATILE BY VOLUME (%)	95%
VAPOR DENSITY (AIR=1)	n/a	EVAPORATION RATE (_____ *1)	n/a
SOLUBILITY IN WATER	Insol.		
APPEARANCE AND ODOR Sprays as a strong mist with characteristic pyrethrin odor.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) NONE (FIFRA Method 807.3)	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE (UNDER PRACTICAL CONDITIONS, PYRETHRUM IS PROBABLY
 322mg/M³ (approx. sol'n method) ONE OF THE LEAST TOXIC OF ALL INSECTICIDES CURRENTLY
 IN USE)
 EFFECTS OF OVEREXPOSURE
 Contact dermatitis is most common manifestation of pyrethrum toxicity in
 man. A few cases of extrinsic asthma due to pyrethrum mixtures have been reported
 EMERGENCY AND FIRST AID PROCEDURES
 Treatment is symptomatic. Antihistamines are of value. If sufficient pyrethrum
 has been ingested to cause nervous manifestations, pentobarbital should be used.
 The diarrhea that occurs may be controlled with atropine sulfate.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
Indefinite when used according to directions	STABLE	X	Do not spray into open flame or onto very hot surfaces.
INCOMPATABILITY (Materials to avoid)			
NONE			
HAZARDOUS DECOMPOSITION PRODUCTS			
Thermal decomposition in open flame will result in halogen acids; carbon dioxide.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 If container begins to leak (through puncture, etc.) allow it to discharge completely in a well-ventilated area, then dispose of in a safe place. In case of spillage on skin, wash thoroughly with soap and water.
 WASTE DISPOSAL METHOD
 Aerosol cylinder is not refillable. Do not attempt to recharge. When cylinder is exhausted, discard in a safe place. Do not throw in fire.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)			
None required			
VENTILATION	LOCAL EXHAUST	None required	SPECIAL
	MECHANICAL (General)	None required	OTHER
PROTECTIVE GLOVES		EYE PROTECTION	
None required		None required	
OTHER PROTECTIVE EQUIPMENT			
None required			

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
 Contains concentrated insecticide under pressure. Therefore, do not expose to temperatures above 130°F.
 OTHER PRECAUTIONS
 Cover unpacked foodstuffs or eating utensils when spraying to protect them from spray and dead or falling insects.