



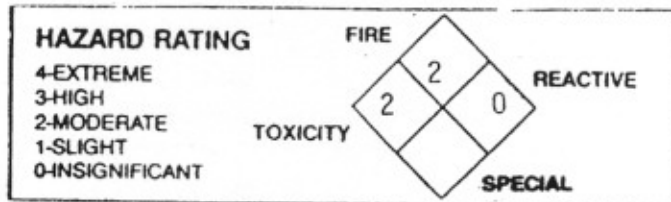
Material Safety Data Sheet

SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's Name James Varley & Sons, Inc. **Product Name** #400 Insecticide
Address 1200 Switzer Avenue **Date Prepared** February 15, 1988
 St. Louis, Missouri 63147
Emergency Telephone No. And Other Information Calls 314-383-4372

SECTION II — HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s))	CAS #'s	ACGIH TLV	Listed as a Carcinogen in NTP	% (Optional)
Pyrethrum	8003-34-7	5mg/m ³	No	< 1%
Petroleum Distillate	Mixture	200 PPM	No	> 99.0%



SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	above 400°F	Specific Gravity (H ₂ O = 1)	0.790
Vapor Pressure (mm Hg.)	N/A	Percent Volatile By Volume (%)	> 99%
Vapor Density (AIR = 1)	N/A	Evaporation Rate (WATER = 1)	< 1
Solubility in Water	Insoluble	Appearance and Odor	Amber, Scented Liquid

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	150°F closed cup	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	Carbon Dioxide, foam or dry chemicals						
Special Fire Fighting Procedures	Fire fighting personnel wear self contained breathing apparatus and protective clothing. Treat as oil fire.						
Unusual Fire and Explosion Hazards	Combustible. Use water spray to cool fire exposed containers.						

SECTION V — PHYSICAL HAZARDS

Stability Unstable Stable **Conditions to Avoid** Avoid heat, sparks and open flames

Incompatibility (Materials to Avoid) N/A

Hazardous Decomposition Products Or Byproducts N/A

Hazardous Polymerization May Occur Will Not Occur **Conditions To Avoid** N/A

SECTION VI — HEALTH HAZARD DATA

Route(s) of Entry: Eyes - Yes Inhalation? Yes Skin? No Ingestion? Yes

Signs and Symptoms of Exposure Irritation to eyes, hyperexcitability, uncoordination, headache, fatigue, chronic convulsions and diarrhea.

Medical Conditions Generally Aggravated by Exposure Allergies may be aggravated. Prevent exposure of asthmatics or or other individuals with breathing problems.

Emergency and First Aid Procedures If swallowed, do not induce vomiting. Get Medical Attention.
 If contact with eyes, flush with water for at least 15 minutes. Get Medical Attention.
 If contact with skin, wash with soap and water.

SECTION VII — PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled

Soak up spillage with absorbent material such as sand, sawdust, clay or cotton waste.

Waste Disposal Method

Dispose in accordance with government regulations.

Toxic to fish. Do not contaminate lakes, ponds, rivers or streams.

Precautions To Be Taken In Handling And Storing Do not contaminate feed, foodstuffs or water supplies.
 Keep away from sparks, open flames or heat.

Other Precautions KEEP OUT OF REACH OF CHILDREN.

SECTION VIII — CONTROL MEASURES

Respiratory Protection (Specify Type) Ventilate to keep air below TLV

Ventilation	Local Exhaust	Mechanical (General)	Special	Other
	Yes	Yes	N/A	N/A

Protective Gloves	Oil Resistant Gloves	Eye Protection	Goggles
-------------------	----------------------	----------------	---------

Other Protective Clothing Or Equipment Wear clothing designed to prevent skin or eye contact.

Work/Hygienic Practices Wash thoroughly after handling.

NOTICE: NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE WITH RESPECT TO INFORMATION CONCERNING THE PRODUCT REFERRED TO IN THIS MATERIAL SAFETY DATA SHEET. The goal of defining precisely, in measurable terms, every possible health effect that may occur in the workplace as a result of chemical exposures cannot realistically be accomplished. The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 C.F.R. 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. James Varley & Sons, Inc., however, makes no representations as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving same will be required to make their own determination as to its suitability for their purposes prior to use. In no event will James Varley & Sons, Inc., be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this Material Safety Data Sheet. The ultimate compliance with federal, state or local regulations concerning the use or disposal of this compound, or compliance with respect to products liability, rests solely upon the purchaser thereof.