



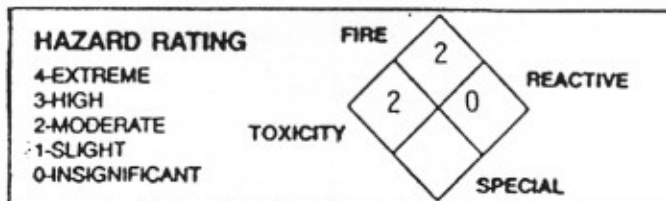
# Material Safety Data Sheet

## SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION

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

## 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)
Isopropanol	67-63-0	400 ppm	NO	< 3%
Trichlorethylene	79-01-6	50 ppm	YES	< 4%



## SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	170° F	Specific Gravity (H <sub>2</sub> O = 1)	1.010
Vapor Pressure (mm Hg.)	N/A	Percent Volatile By Volume (%)	> 95%
Vapor Density (AIR = 1)	N/A	Evaporation Rate (WATER = 1)	1
Solubility in Water	Complete	Appearance and Oodor	Light amber, scented liquid

## SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	130° F closed cup	Flammable Limits	N/A	LEL	N/A	UEL	N/A
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Extinguishing Media Water, foam or dry chemicals

Special Fire Fighting Procedures Firefighting personnel wear self contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards At high temperatures, Thichlorethylene decomposes to give off hydrochloric acid gas and other irritating vapors.

## SECTION V — PHYSICAL HAZARDS

Stability Unstable  Conditions to Avoid  Keep away from heat, open flame and hot surfaces

Incompatibility (Materials to Avoid) N/A

Hazardous Decomposition Products Or Byproducts Hydrochloric acid gas

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

**SECTION VI — HEALTH HAZARD DATA**

Route(s) of Entry: EYES                      Inhalation?                      Yes                      Skin?                      Yes                      Ingestion?                      Yes

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Signs and Symptoms of Exposure Will cause irritation and burning to eyes. Repeated contact with skin may cause irritation. Excessive inhalation may cause respiratory irritation, dizziness, headache and nausea.

Medical Conditions  
Generally Aggravated by Exposure

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Emergency and First Aid Procedures If contact with eyes, flush with large amounts of water for at least 15 minutes. Get medical attention. If swallowed, induce vomiting. Get medical attention. If contact with skin, wash with soap and water..

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**SECTION VII — PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps To Be Taken In Case Material Is Released Or Spilled Ventilate area. Avoid breathing excessive amounts of fumes. Remove all sources of ignition. Remove with inert absorbents. Flush remainder with large amounts of water.

Waste Disposal Method Dispose of in accordance with government regulations.

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Precautions To Be Taken In Handling And Storing Keep away from open flame or extreme heat. Use with adequate ventilation.

Other Precautions KEEP OUT OF REACH OF CHILDREN

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**SECTION VIII — CONTROL MEASURES**

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

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

Protective Gloves Rubber gloves when diluting                      Eye Protection goggles when diluting product

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

Work/Hygienic Practices Wash thoroughly after handling.

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