



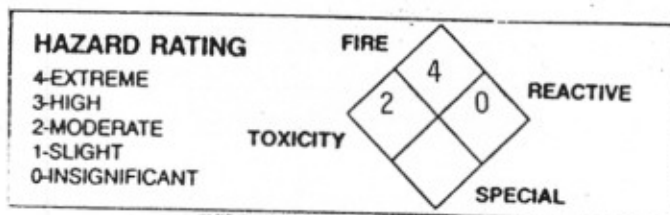
Material Safety Data Sheet

SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's Name	James Varley & Sons, Inc.	Product Name	Control Aerosol
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)
Isobutane	75-28-5	1000 ppm	no	< 20%
Propane	74-98-6	800 ppm	no	< 10%
Isopropyl Alcohol	67-63-0	400 ppm	no	< 5%
Petroleum Distillates	Mixture	500 ppmTWA	no	< 75%



SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	-43.7° F Propellant 180° F Concentrate	Specific Gravity (H ₂ O = 1)	0.75%
Vapor Pressure (mm Hg.)	20° C 50 psi	Percent Volatile By Volume (%)	> 98
Vapor Density (AIR = 1)	> 1	Evaporation Rate (WATER = 1)	7.1
Solubility in Water	No	Appearance and Odor	Scented colored liquid under pressure

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	-156° F closed cup	Flammable Limits propellant	LEL 1.8%	UEL 9.5%
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Extinguishing Media Carbon dioxide, dry chemicals or foam.

Special Fire Fighting Procedures Use water spray to cool the containers during fire. Conditions may help prevent rupture.

Unusual Fire and Explosion Hazards Exposure to temperatures above 130° F may cause the container to burst, releasing the highly flammable propellant.

SECTION V — PHYSICAL HAZARDS

Stability Unstable Stable Conditions to Avoid Keep away from extreme heat, open flame and sparks

Incompatibility (Materials to Avoid) Oxidizers

Hazardous Decomposition Products Or Byproducts Carbon dioxide and carbon monoxide

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? no

Signs and Symptoms of Exposure Inhalation and ingestion may cause headache, nausea, drowsiness, fatigue, pneumonitis, pulmonary edema, central nervous system depression. Contact with eyes will cause irritation. Repeated or prolonged contact with will irritate.

Medical Conditions Generally Aggravated by Exposure N/A

Emergency and First Aid Procedures If swallowed, drink large amounts of water. 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. If inhaled in excessive amounts, remove person to fresh air. If person is still having trouble breathing, get medical attention.

SECTION VII — PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled Remove all sources of ignition. Avoid breathing excessive vapor. Remove with inert absorbent and non-sparking tools. Flush remainder with water.

Waste Disposal Method Dispose of in accordance with government regulations.

Precautions To Be Taken In Handling And Storing Do not puncture or incinerate can. Keep away from open flames, sparks or extreme 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	N/A	N/A	N/A

Protective Gloves Use chemical resistant gloves to avoid prolonged skin contact.

Eye Protection Use splash goggles or face shield when eye contact may occur.

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

Work/Hygienic Practices Wash thoroughly after using.

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