



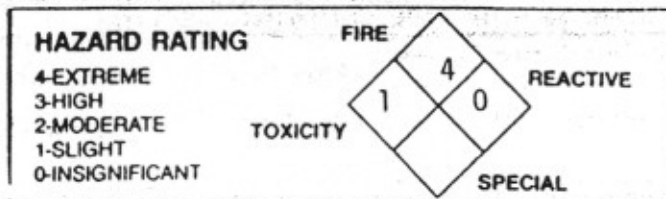
Material Safety Data Sheet

SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION

| | | | |
|---|--|---------------|-------------------|
| Manufacturer's Name | James Varley & Sons, Inc. | Product Name | Beats All 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 | < 10% |
| Propane | 74-98-6 | 800 ppm | no | < 5% |



SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|-------------------------|---|---|-------------------------------------|
| Boiling Point | -43.7 °F Propellant 210.0 °F Concentrate | Specific Gravity (H ₂ O = 1) | 0.994 |
| Vapor Pressure (mm Hg.) | 20° c 62 psi | Percent Volatile By Volume (%) | > 98 |
| Vapor Density (AIR = 1) | > 1 | Evaporation Rate (WATER = 1) | > 1 |
| Solubility in Water | Yes | Appearance and Odor | Clear scented liquid under pressure |

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

| | | | | |
|------------------------------------|---|------------------|----------|----------|
| Flash Point (Method Used) | -156 °F closed cup | Flammable Limits | LEL 1.8% | UEL 9.5% |
| Extinguishing Media | Carbon dioxide, dry chemicals or water fog. | | | |
| 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 <input type="checkbox"/> Stable <input checked="" type="checkbox"/> | Conditions to Avoid | Keep away from extreme heat, open flames and sparks |
| Incompatibility (Materials to Avoid) | Oxidizers | | |
| Hazardous Decomposition Products Or Byproducts | N/A | | |

| | | | |
|--------------------------|--|---------------------|-----|
| Hazardous Polymerization | May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/> | Conditions To Avoid | N/A |
|--------------------------|--|---------------------|-----|

SECTION VI — HEALTH HAZARD DATA

| | | | | | | | |
|-------------------|------------------|-------------|-----------|-------|-----------|------------|-----------|
| Route(s) of Entry | Eyes: <u>yes</u> | Inhalation? | <u>no</u> | Skin? | <u>no</u> | Ingestion? | <u>no</u> |
|-------------------|------------------|-------------|-----------|-------|-----------|------------|-----------|

Signs and Symptoms of Exposure Excessive fumes may cause irritation to nose, throat and eyes. Contact with eyes will cause irritation. Repeated or prolonged contact with skin will irritate.

Medical Conditions
Generally Aggravated by Exposure

Emergency and First Aid Procedures If swallowed, drink large amounts of water. 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.

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 nonsparking 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 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 | <u>yes</u> | Mechanical (General) | <u>no</u> | Special | <u>no</u> | Other | <u>no</u> |
|-------------|---------------|------------|----------------------|-----------|---------|-----------|-------|-----------|

Protective Gloves N/A Eye Protection goggles or safety glasses

Other Protective Clothing Or Equipment N/A

Work/Hygienic Practices N/A

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