

WILLIAM MARVY COMPANY, INC.

1540 ST. CLAIR AVENUE ST. PAUL, MINNESOTA 55105
651-698-0726 800-874-2651 FAX 651-698-4048

MATERIAL SAFETY DATA SHEET

SECTION ONE – PRODUCT DESCRIPTION

PRODUCT NAME: Mar-V-Cide Spray Disinfectant
DESCRIPTION: Spray Disinfectant

MSDS Number: 004A
SUPPLIER'S NAME: William Marvy Company, Inc.
1540 St. Clair Avenue
St. Paul, MN 55105

SUPPLIER'S PHONE: 651-698-0726 * 800-874-2641
TRANSPORTATION EMERGENCY PHONE: 800-255-3924
(CHEM-TEL)

EMERGENCY TELEPHONE
CHEM-TEL 800-255-3924

HMIS HAZARDOUS RATING
NFPA 704 HAZARD RATING
4 – Extreme 3 – High 2 – Moderate
1 – Slight 0 – Insignificant

HEALTH	(Blue)	1
FLAMIBILITY	(Red)	1
REACTIVITY	(Yellow)	1
PERSONAL PROTECTION	(White)	A

PERSONAL PROTECTIVE EQUIPMENT
A = EYE PROTECTION

SECTION TWO – INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>PERCENT OF TOTAL WEIGHT</u>
Ethyl Alcohol	64-17-5	
Isobutane	75-28-5	
Propane	74-98-6	

The ingredients listed on this section are the only hazardous components of the product.

SECTION THREE – PHYSICAL AND CHEMICAL DATA

Appearance - Hazy, yellow liquid

Chemical Type - Mixture

Boiling Point (in water) - 212°F, 100°C

Percent VOCs - 51.32

Solubility - Soluble in water

Melting Point - Not applicable °F. Not applicable °C.

Odor - Perfumed

Physical State - Liquid

Specific Gravity - 0.92 concentrate

pH Factor - 10.5 ± 0.5

Evaporation Rate - Faster than butyl acetate

SECTION FOUR – EMERGENCY AND FIRST AID PROCEDURES

FIRST AID	
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for further treatment advice.
If in eyes	Hold eyes open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
If swallowed	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact CHEM-TEL at 1-800-255-3924 for emergency medical treatment.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

SECTION FIVE – FIRE AND EXPLOSIVE DATA**Flash Point** - Not applicable °F. Not applicable °C.**Lower Explosive Limit** - Not available**Flash Point Method** - Not available**Upper Explosive Limit** - Not available**Fire and Explosion Hazards** - This product is an aerosol product for which Flame Projection is 6 – 8 inches without flashback. Temperatures about 120°F may cause can to burst.**Extinguishing Media** - Use CO2 (Carbon Dioxide), dry chemical, or water fog.**Fire Fighting Instructions** - Water spray may be used to cool cans in the vicinity of fire or excessive heat.**SECTION SIX – ACCIDENTAL RELEASE**

Providing adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

SECTION SEVEN – HANDLING AND STORAGE**Handling and Storage Precautions** - Store in a cool, dry place away from heat and open flame.**Handling Precautions** - Do not deliberately inhale vapor or spray mist. Avoid getting spray into eyes. Keep out of reach of children.**Storage Precautions** - Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity). **AEROSOL STORAGE LEVEL 1 (NFPA-30B)****Work/Hygenic Practices** - Wash thoroughly after handling.**SECTION EIGHT – EXPOSURE CONTROLS AND PERSONAL PROTECTION****Engineering Controls** - Use with adequate general and local exhaust ventilation.**Eye/Face Protection** - Use conventional eyeglasses to guard against splashing.**Skin Protection** - Use household type gloves, if desired.**Respiratory Protection** - None required if used in a well-ventilated area.**Ingredient(s) - Exposure Limits**

Ethyl Alcohol ACGIH TLV-TWA 1000 ppm; OSHA PEL-TWA 1000 ppm

Propane ACGIH TLV-TWA 2500 ppm; OSHA PEL-TWA 1000 ppm

SECTION NINE – HEALTH HAZARDS**Primary Route(s) of Entry** - Ingestion (possible, but considered unlikely), eye contact, skin contact, inhalation.**Eye Hazards** - Can cause irritation after contact with the eyes.**Skin Hazards** - May cause skin irritation after prolonged contact with skin.**Ingestion Hazards** - This is an aerosol product, ingestion is unlikely to occur.**Inhalation Hazards** - Deliberate inhalation of concentrate vapor or mist may cause headaches, dizziness and nausea.**Chronic/Carcinogenicity Effects** - Not known, chronic effects based on available data. NTP, IARC, or OSHA lists none of the ingredients on this product as carcinogenic.**Epidemiology** - None known**Teratogenicity (Birth Defects)** - None known**Reproductive Effects** - None known**Neurotoxicity** - None known**Mutagenicity (Genetic Effect)** - None known**Signs and Symptoms** - Acute: Deliberate inhalation of concentrate vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation. Contact with the eyes causes irritation.**Conditions Aggravated by Exposure** - May aggravate pre-existing skin and respiratory disorders.

SECTION TEN – STABILITY AND REACTIVITY INFORMATION

Stability - Stable

Hazardous Polymerization - Will not occur

Conditions to Avoid (Stability) - Temperatures above 120°F.

Incompatible Materials - Avoid heat, open flame and contact with strong oxidizers.

Hazardous Decomposition Products - Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

Conditions to Avoid (Polymerization) - Temperatures above 120°F.

SECTION ELEVEN – TOXICOLOGICAL INFORMATION

No Data Available

SECTION TWELVE – ECOLOGICAL INFORMATION

No Data Available

SECTION THIRTEEN – CONTAINER DISPOSAL

Wrap empty container in newspaper and dispose of it in non-incinerated trash only.

SECTION FOURTEEN – TRANSPORTATION INFORMATION

Proper Shipping Name - ORM-D Consumer Commodity

DOT Identification Number - UN1950

DOT Shipping Label - Aerosol Consumer Commodity

SECTION FIFTEEN – MISCELLANEOUS AND REGULATORY INFORMATION

U.S. Regulatory Information - All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes - Acute Health Hazard

SARA Section 313 Notification - This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 or 40 CFR 372.

Ingredient(s) – State Regulations

ETHYL ALCOHOL – New Jersey - Workplace Hazard, Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

ISOBUTANE – New Jersey - Workplace Hazard, Environmental Hazard, Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

PROPANE – New Jersey - Workplace Hazard, Environmental Hazard, Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

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