

MATERIAL SAFETY DATA SHEET

SECTION ONE: PRODUCT DESCRIPTION

PRODUCT NAME: Mar-V-Cide II® One-Step Germicidal Cleaner
 DESCRIPTION: Germicidal Cleaner/Surface Disinfectant
 MSDS Number: 003A
 SUPPLIER'S NAME: William Marvy Company, Inc.
 1540 St. Clair Avenue St. Paul, Minnesota 55105
 SUPPLIER'S PHONE: 651-698-0726 • 800-874-2651 • 651-698-4048 FAX
 TRANSPORTATION EMERGENCY PHONE NUMBER: 800-255-3924 CHEM-TEL

HMIS HAZARDOUS RATING

NFPA 704 HAZARD RATING

4 - Extreme 3 - High 2 - Moderate 1 - Slight
 0 - Insignificant B - Eye & Hand Protection

HEALTH	(Blue)	2
FLAMMABILITY	(Red)	2
REACTIVITY	(Yellow)	0
PERSONAL PROTECTION	(White)	B

S.A.R.A. INFORMATION: PHYSICAL DATA: Mixture: YES Pure: NO Solid: NO Liquid: YES Gas: NO

SECTION TWO: INGREDIENTS:

CHEMICAL NAME	CAS No.	OSHA PEL	ACGIH TLV	Other Limits	Approximate Weight
*Potassium ortho-benzyl-para-chlorophenate	120-32-1	N/E	N/E	N/E	8.03%
*Potassium ortho-phenylphenate	90-43-7	N/E	N/E	N/E	6.28%
*Potassium para-tertiary-amylphenate	80-46-6	N/E	N/E	N/E	4.30%
*Isopropanol	67-63-0	400 ppm	400 ppm	N/E	

* Ingredients subject to reporting requirements of Section 313 of S.A.R.A. Title III * Ingredients listed as germicidal actives

N/A = Not Applicable N/E = Not Established N/D = Not Determined N/L = Not Listed

SECTION THREE: PHYSICAL AND CHEMICAL PROPERTY

Appearance: Purple, Water-thin liquid	Viscosity: N/E
Odor: Lavender Fragrance	Vapor Density (AIR = 1): N/E
Boiling Point: 212°F	Evaporation Rate (BUTYL ACETATE = 1): N/E
pH Concentrate: 12.00 - 12.80	Melting and Freezing Point: N/E
pH Diluted: 1:256 8.50 - 10.50	Specific Gravity: @ 25°C 1.090 - 1.100
Solubility in Water: Complete	Vapor Pressure (mm HG): N/E

SECTION FOUR: FIRE AND EXPLOSION DATA

FLASH POINT: 110°F (Combustible Liquid) (METHOD USED): PMCC Flammable Limits: N/E LEL: N/E UEL: N/E
 EXTINGUISHING MEDIA: In case of fire use water spray, CO₂, Dry Chemical or Foam SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire-exposed containers and to protect personnel. UNUSUAL FIRE AND EXPOSION HAZARDS: Burning may release combustion products such as Phenolics, carbon monoxide, carbon dioxide, and chlorine.

SECTION FIVE: REACTIVITY INFORMATION

STABILITY: Stable CONDITIONS TO AVOID: Not Known HAZARDOUS POLYMERIZATION: Will Not Occur
 HAZARDS DECOMPOSITION PRODUCTS: Thermal decomposition may produce toxic vapor/fumes or amines and other organic materials, and oxides of carbon and nitrogen. INCOMPATIBILITY (Materials to Avoid): Chlorine Compounds

SECTION SIX: SPILL AND DISPOSAL INFORMATION

Steps to be taken in case material is released or spilled: CAUTION! Floors may become slippery. Wear appropriate protective equipment and NIOSH/MSHA approved respirator where mists or vapors of unknown concentrate may be generated (self-contained breathing apparatus preferred). DIKE AND CONTAIN spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Small spills (less than 1 gallon) may be diluted with water and washed down a drain or cleaned up and disposed of into a sanitary sewer system. Large spills (over 1 gallon) should be contained and collected (by absorption or vacuuming) then disposed of properly. WASTE DISPOSAL METHODS: Dispose of in compliance with all Federal, state, and local laws and regulations. Incineration is the preferred method. This product is not considered a RCRA Hazardous Waste as identified in Federal Regulations 40 CFR 261. CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burning, stay out of smoke.

SECTION SEVEN: HEALTH EFFECTS INFORMATION

Primary Routes of Entry: Eye and skin contact. HEALTH HAZARDS: Will cause eye irritation and skin irritation with excessive or prolonged exposure. If on skin: Redness, irritation, or burning sensation with prolonged exposure. If spray mist is inhaled: Lung irritation and/or burning sensation. If swallowed: Drowsiness, irregular pulse, loss of consciousness.
 MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

EMERGENCY AND FIRST AID PROCEDURES

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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 eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If swallowed:	Call 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.

CHEMICALS LISTED AS CARCINOGEN BY: (YES OR NO)

National Toxicology Program: Not Known I.A.R.C. Monographs: Not Known O.S.H.A.: Not Known

SECTION EIGHT: PERSONAL PROTECTION INFORMATION

Ventilation Type: General ventilation is normally adequate. In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices. Respiratory Protection: Where mists or vapors are generated by the process, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls. Protective Gloves: Rubber or neoprene, when needed, to prevent skin contact. Required for exposure to the concentrate when diluting or for long exposures to and use dilution. Persons sensitive to cleaning chemicals should always wear gloves. Eye Protection: Wear chemical splash goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions. Other Protective Equipment: Eye wash, safety shower, protective clothing (long sleeve, coveralls, or other, as appropriate), when needed to prevent skin contact. Work Hygiene Practices: Wash hands after using. Do not get into eyes, on skin, or clothing. May be harmful if swallowed. Protect food and drink from contamination by product.

SECTION NINE: STORAGE AND HANDLING

Precautions for Storage and Handling: KEEP OUT OF REACH OF CHILDREN. Do not contaminate drinking water, food, or feed by storage or disposal. Keep containers clean and closed. Do not reuse empty containers. Keep containers closed until used.

SECTION TEN: TOXICOLOGY INFORMATION

ACCUTE ORAL: N/D PRIMARY SKIN: Severe Irritation
 ACCUTE DERMAL: N/D PRIMARY EYE: Corrosive

SECTION ELEVEN: MISCELLANEOUS AND REGULATORY INFORMATION

Federal Level Regulations: This is an EPA registered pesticide. This material can only be used commercially in the EPA registered application(s) noted on the product label. Toxic Substances Control Act (TSCA Inventory) Status: Found on U.S. TSCA inventory. CERCLA (Comprehensive Environmental Response, Compensation and Liability Act of 1980) requires notification of the National Response Center (1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQ's) listed in 40 CFR 302.4:

CHEMICAL NAME	CAS NUMBER	TYPICAL CONCENTRATION
None Known		

SARA Title III, Sections 302/304 (Superfund Amendments and Reauthorization Act of 1986) - This act requires emergency planning, including agency notification, for possible release of the following components of this material, based upon Threshold Planning Quantities (TPQ's) and release Reportable Quantities (RQ's) listed for the Components in 40 CFR 355:

CHEMICAL NAME	CAS NUMBER	TYPICAL CONCENTRATION
None Known		

SARA Title III, Section 311/312 - This act requires reporting under the Community Right-to-know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in 40 CFR 370:

CHEMICAL NAME	CAS NUMBER	TYPICAL CONCENTRATION
None Known		

SARA Title 313 - This act requires submission and annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

CHEMICAL NAME	CAS NUMBER	TYPICAL CONCENTRATION
None Known		

The information provided herein is compiled from internal reports and data from professional publications. IT IS FURNISHED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. It is intended to assist in evaluating the suitability and proper use of the material in manufacturing and in the development and implementation of safety precautions and procedures.