





# MATERIAL SAFETY DATA SHEET

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 PREPARED BY: EH&S DEPARTMENT

## 1. CHEMICAL PRODUCT

PRODUCT NAME: **GERM-O-SOLV 2, Cleaner-Disinfectant**  
 PRODUCT CODE: 102000

NFPA/HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 3/3  
 Reactivity: 0/0  
 Fire: 0/0  
 Special/Protective Equipment: ALK/B

NAME OF THE MANUFACTURER: Rochester Midland Corporation  
 333 Hollenbeck Street  
 Rochester, New York 14621  
 Emergency Phone: INFOTRAC: 1-800-535-5053  
 OUTSIDE US: 1-352-323-3500

## 2. HAZARDS IDENTIFICATION

### EFFECTS FROM ACUTE EXPOSURE:

**INGESTION:** May cause irritation. Nausea. Vomiting. Diarrhea Harmful if swallowed.  
**SKIN CONTACT:** Causes skin burns which may not be immediately painful or visible. May cause severe skin irritation. May cause skin defatting.  
**INHALATION:** Inhalation of vapors or mists may cause nose and respiratory irritation, sore throat, and coughing. High vapor concentrations may cause headaches, drowsiness, irritation of throat and eyes, and kidney effects. Harmful if inhaled.  
**EYE CONTACT:** Corrosive to eye tissue and may cause severe damage and blindness.  
**CHRONIC EFFECTS:** Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.  
**EFFECTS/CARCINOGENICITY:** None listed under OSHA, IARC, or NTP.  
**ROUTES OF ENTRY:** Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
Quaternary ammonium compounds 68424-85-1	1 - 3	Not applicable	Not applicable
Octyl decyl dimethyl ammonium chloride 32426-11-2	1 - 3	Not applicable	Not applicable
Didecyl dimethyl ammonium chloride 7173-51-5	0.5 - 1.5	Not applicable	Not applicable
Diocetyl dimethyl ammonium chloride 5538-94-3	0.5 - 1.5	Not applicable	Not applicable
Tetrasodium EDTA 64-02-8	1 - 3	Not applicable	Not applicable

## 4. FIRST AID MEASURES

**INGESTION:** DO NOT INDUCE VOMITING. Drink promptly a large quantity of water, egg white, or gelatin solution. Get immediate medical attention. Never give anything by mouth to an unconscious person.  
**SKIN:** Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention if irritation or burns develop.

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### 4. FIRST AID MEASURES

**INHALATION:**

If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**EYES:**

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention. Remove contact lenses after the first 5 minutes and continue rinsing.

**NOTES TO PHYSICIAN:**

Probable mucosal damage may contraindicate gastric lavage.

### 5. FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT (F):**  
**METHOD:**

> 201° F (C): > 94° C  
TCC

**FLAMMABLE LIMITS IN AIR**

- LOWER (%):  
- UPPER (%):

Not determined  
Not Determined

**SENSITIVITY TO MECHANICAL IMPACT (Y/N):**  
**SENSITIVITY TO STATIC DISCHARGE:**  
**SUITABLE EXTINGUISHING MEDIA:**  
**FIRE FIGHTING PROCEDURES:**

NO  
Sensitivity to static discharge is not expected.  
Carbon Dioxide, Dry Chemicals, Foam.  
Corrosive material. Avoid exposure to mist and splashes. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

**SPILL PROCEDURES:**

**SMALL SPILLS:**  
**LARGE SPILLS:**

Mop up all possible. Flush residue with water.  
Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

**PERSONAL PRECAUTIONS:**  
**ENVIRONMENTAL PRECAUTIONS:**  
**METHODS FOR CLEANING UP:**

Not applicable  
Not applicable  
Not applicable

### 7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN  
IN HANDLING AND STORAGE:**

Caution: Alkaline liquid. Avoid contact with eyes, skin and clothing.  
Do not breathe the mist or vapors. Store only in original container and keep closed. Store in a cool, dry area.  
Store in a well ventilated area. Keep from freezing. Do not contaminate water, food, or feed.  
Triple rinse container before disposal.

**OTHER PRECAUTIONS:**

Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Read and follow label instructions.

**SPECIFIC USE(S):**

Not applicable.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**PROTECTIVE EQUIPMENT:**



**EXPOSURE CONTROLS:**  
**RESPIRATORY PROTECTION:**

Use in a well ventilated area.  
Not normally required. If product is used in a manner which creates dust or mist above recommended exposure limits, a NIOSH/MSHA approved respirator with dust/mist filter may be needed in the absence of proper environmental controls.

**PROTECTIVE GLOVES:**  
**EYE PROTECTION:**

Rubber gloves. Neoprene.  
Safety Glasses. Goggles.

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**OTHER PERSONAL PROTECTION EQUIPMENT:** Rubber boots. Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible.  
**VENTILATION:** General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR:</b>	Clear. Blue liquid. Floral scent.	(C) Not applicable
<b>BOILING POINT (F):</b>	Not Determined	
<b>VAPOR PRESSURE:</b>	Not Determined	
<b>VAPOR DENSITY (AIR=1):</b>	Not Determined	
<b>SOLUBILITY IN WATER:</b>	Not Determined	
<b>SPECIFIC GRAVITY:</b>	1.01@ 23° C	
<b>VOC Content (%):</b>	Not Determined	
<b>VOV Content (%):</b>	Not established	
<b>EVAPORATION RATE:</b>	Not Determined	
<b>PH:</b>	11 - 13	

### 10. STABILITY AND REACTIVITY

<b>STABILITY DATA:</b>	STABLE
<b>POLYMERIZATION:</b>	Will Not Occur.
<b>HAZARDOUS DECOMPOSITION:</b>	Carbon Monoxide. Carbon Dioxide. Hydrogen chloride gas.
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	Oxidizing material can cause reaction. Reducing agents.
<b>CONDITIONS/HAZARDS TO AVOID:</b>	Strong oxidizers.

### 11. TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY:</b>	Not Established
<b>EFFECTS OF CHRONIC EXPOSURE:</b>	Not established.
<b>OTHER TOXIC EFFECTS:</b>	Not established.

### 12. ECOLOGICAL INFORMATION

<b>ECOTOXICOLOGICAL INFORMATION:</b>	No data at this time
<b>CHEMICAL FATE INFORMATION:</b>	No data at this time.
<b>MOBILITY:</b>	Not applicable.
<b>PERSISTENCE/DEGRADABILITY:</b>	Not applicable
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not applicable
<b>OTHER ADVERSE EFFECTS:</b>	Not applicable

### 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHODS:** Dispose in accordance with Federal, State and Local regulations. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law.

### 14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

### 15. REGULATORY INFORMATION