

MATERIAL SAFETY DATA SHEET  
MICRORID DISINFECTANT CLEANER



**Twin-Chem., Inc.**

**MICRORID DISINFECTANT CLEANER**

**HAZARD RATINGS  
NFPA HMIS DATA**

HEALTH	1	0= MINIMAL 1= SLIGHT
FIRE	0	2=MODERATE 3=HIGH
REACTIVITY	0	4=EXTREME

**SECTION I**

MANUFACTURED BY: TWIN-CHEM, INC.  
ADDRESS: 5010 HICKORY HILLS DRIVE  
WOODSTOCK, GEORGIA 30188  
EMERGENCY PHONE NUMBER: (800) 552-3787 (CERTS - CHEMICAL EMERGENCIES ONLY)  
PHONE NUMBER FOR INFORMATION: (800) 442-4958  
DATE REVISED: August 20, 2003  
NAME OF PREPARER: SALIENT CORPORATION  
CLIFFORD M. CANTRELL

**SECTION II HAZARDOUS INGREDIENTS/INFORMATION**

HAZARDOUS COMPONENTS <input type="checkbox"/>	CAS #	OSHA PEL	ACGIH TLV	OTHER (STEL)	% or RANGE	S K
ALKYLDIMETHYLBENZYL AMMONIUM CHLORIDE	8001-54-5	NOT EST.	NOT EST		3.75	
ALKYLDIMETHYLETHYLBENZYL AMMONIUM CHLORIDE	8001-54-5	NOT EST.	NOT EST		3.75	

NOTE: AN '\*' UNDER 'SKIN' INDICATES THAT OSHA REQUIRES SKIN PROTECTION TO PREVENT OR REDUCE EXPOSURE TO THIS INGREDIENT. DOES NOT CONTAIN ANY SARA TITLE III, SECTION 313 SUBSTANCES WHICH ARE SUBJECT TO REPORTING.

**EPA SARA TITLE III HAZARD CATEGORIES  
ACUTE HEALTH - CHRONIC HEALTH**

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point: 212°F Specific Gravity (H2O=1) 1.000  
vapor Pressure (mm Hg) 17 Melting Point < 32°F  
Vapor Density (Air=1) 2.2 Evaporation Rate (Water=1) < 1  
Solubility in Water: Complete  
Appearance and odor: Clear liquid with sweet odor.

**SECTION IV- FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used): None Flammable Limits: LEL: N/A UEL: N/A  
Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam, water fog  
Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING WHEN FIGHTING FIRES INVOLVING THIS PRODUCT.  
Unusual Fire and Explosion Hazards: None known.

**SECTION V- REACTIVITY DATA**

Stability: Stable  
Incompatibility (Materials to Avoid): Do not mix with acids or oxidizing agents.  
Hazardous Decomposition or Byproducts: Heat and carbon dioxide.  
Hazardous Polymerization: Will Not Occur

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**SECTION VI- HEALTH HAZARD DATA**

Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes Eyes? Yes  
Health Hazards (Acute and Chronic): None known.  
Carcinogenicity:  
NTP? Ingredients not listed.  
IARC Monographs? Ingredients not listed.  
OSHA Regulated? Ingredients not listed.  
Signs and Symptoms of Exposure:  
INHALATION: Irritation and difficulty in breathing.  
INGESTION: Small amounts may cause gastric distress, diarrhea and vomiting.  
SKIN CONTACT: Possible irritation from contact with concentrated product.  
EYE CONTACT: Severe eye irritation, burning sensation, tearing.  
Medical Conditions Generally Aggravated by Exposure: Unknown  
Emergency and First Aid Procedures:  
EYE CONTACT: Immediately flush eyes in clear running water for at least 15 minutes lifting upper and lower lids periodically. GET MEDICAL ATTENTION IMMEDIATELY.  
SKIN CONTACT: Rinse skin with clear water. If irritation results, apply skin cream.  
INGESTION: Immediately drink large quantities of milk, egg whites or gelatin solution. If these are not available drink 3 - 4 glasses of water. Avoid alcohol. Do not administer fluids to an unconscious person. GET MEDICAL ATTENTION IMMEDIATELY.  
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious interavenous injection of a short acting barbiturate drug.

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**SECTION VII- PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to Be Taken in Case Material is Released or Spilled:  
SMALL SPILLS: Flush to sanitary sewer.  
Waste Disposal Method: Consign wastes to Federal, State, and locally approved hazardous waste disposal facility for incineration.  
Precautions to Be Taken in Handling and Storing: Do not freeze. Follow all label instructions. Keep container closed when not in use.  
Other Precautions: KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN.  
Container Disposal: Triple rinse and puncture plastic containers before disposing into sanitary waste for landfill.

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**SECTION VIII- Control Measures**

Respiratory Protection (Specify Type): If respiratory irritation results from mists of this product, use NIOSH/MSMA approved CCR-OV chemical cartridge respirator with organic vapor cartridge.  
Ventilation: Recommended.  
Protective Gloves: Rubber or neoprene.  
Eye Protection: Chemical goggles with side shields.  
Other Protective Clothing or Equipment: Drenching safety shower and eye wash station.  
Work/Hygienic Practices: Avoid contaminating clothing. Use good housekeeping practices.

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**SECTION IX - Additional Information**

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**ENVIRONMENTAL**

BIODEGRADABILITY: BIODEGRADABLE.

WASTE DISPOSAL METHODS: DISPOSE OF IN AN AUTHORIZED WASTE FACILITY IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**ADDITIONAL INFORMATION**

EMPTY CONTAINER HANDLING: WARNING! EMPTIED CONTAINER RETAINS PRODUCT RESIDUE. OBSERVE ALL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED. KEEP EMPTY CONTAINER CLOSED TIGHTLY.

**SARA TITLE III REPORTING REQUIREMENTS**

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SECTION 302- EXTREMELY HAZARDOUS SUBSTANCES  
SECTION 304- HAZARDOUS RELEASES  
SECTION 311- COMMUNITY RIGHT TO KNOW (R-T-K)  
SECTION 312- R-T-K INVENTORY DATA  
SECTION 313- EMISSIONS AND RELEASE  
CERCLA

REPORTING NOT REQUIRED  
REPORTING NOT REQUIRED  
REPORTING REQUIRED FOR INVENTORY ABOVE TPQ.  
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REPORTING NOT REQUIRED  
SAME AS SECTION 304

**REFERENCES**

TOXIC SUBSTANCE CONTROL ACT LIST (TSCA) - INGREDIENTS LISTED.

**PERMISSIBLE EXPOSURE REFERENCES:**

REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES

TITLE 29 CODE OF FEDERAL REGULATIONS

NATIONAL TOXICOLOGY PROGRAM (NTP) REPORT ON CARCINOGENS

INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS

**REGULATORY STANDARDS:**

DOT TITLE 49 CODE OF FEDERAL REGULATIONS 172.101

SARA TITLE III

NUCLEAR REGULATORY AGENCY

DOT SHIPPING NAME: COMPOUND, CLEANING & DISINFECTING, N.O.S. (NOT DOT/IMO HAZARDOUS)

DOT HAZARD LABEL: NONE

THIS DOCUMENT COMPLIES WITH OSHA FORM 174 AS REQUIRED UNDER 29 CFR 1910.1200.

THE INFORMATION CONTAINED HEREIN is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.