

MATERIAL SAFETY DATA SHEET

OPTI-CIDE-3 DISINFECTANT CLEANER SOLUTION

CATALOG NUMBERS: DOCS12-008, DOCP04-128,
DOCP02-320 & DOCS12-024

SECTION I – Distributor

Biotrol
13705 Shoreline Court East
Earth City, MO 63045
1-800-822-8550

SECTION II – Hazardous Ingredients / Identity

The individual ingredients present within the mixture that are greater than 1% of the entire formulation and that when stored or handled on an individual basis may present a hazard are:

Hazardous Components(s)	OSHA PEL	ACGIH TVL	% by Weight	CAS Number
Isopropanol	400 ppm	980 mg/m ³	20.85	67-63-0

All ingredients in this product are listed or excluded from the listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

SECTION III – Physical & Chemical Characteristics

Liquid Boiling Point: 86.6°C (187.9° F) **Solubility in Water:** Complete
Specific Gravity (H₂O=1.0): 0.95 to 0.97 **Vapor Pressure (mm Hg):** 0.2-4.7
Vapor Density (Air = 1): +1 **Evaporation Rate:** Similar to water
Freezing Point: -10 °C (14° F) **pH:** 7.5-9.5
Appearance and Odor: Slight alcohol fragrance. Clear in color.

SECTION IV – Fire & Explosion Data

Flash Point: 31°C (87.7° F) - (Closed cup method – trapped alcohol vapors created by heating of liquid and exposing vapors to open flame)
Flammable Limits: None
Extinguishing Media: Alcohol foam, CO₂, dry chemical
Special Fire Fighting Procedures; Unusual Fire and Explosion Hazards: NIOSH for alcohol fires.
Unusual fire or explosion hazards: As with all products containing alcohol, the alcohol vapors may be heavier than air. Keep away from open flame.
Refer to section VIII for specific storage, handling and transportation exemption per Code of US Federal Regulations as an “Aqueous/alcohol” solution.

SECTION V – Physical Hazards (Reactivity Data)

Stability: Stable
Conditions to avoid: Extreme heat or open flame
Incompatibility: Concentrated Acids
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: Oxides of carbon upon combustion.

SECTION VI – Health Hazards

Signs and symptoms of exposure:

Skin Absorption – May produce some slight redness or irritation although unlikely.

Eye contact – May cause some slight reversible eye irritation with direct contact.

Ingestion – May cause some gastric distress.

Inhalation – Prolonged, contained exposure vapors may cause light-headedness and/or irritation to nose and throat.

Toxicological Information:

Carcinogenicity NTP: No **LARC Monographs:** No

SECTION VII – Emergency First Aid Procedures

Skin Contact: If irritated, rinse with water. If irritation persists, seek medical attention.

Ingestion: Seek medical attention. Drink lots of water or milk. **Induce vomiting.**

Inhalation/aspiration of liquid: Remove to fresh air. Administer artificial respiration if breathing stopped. Seek medical attention immediately.

Eye Contact: Flush eyes with water. If irritation persists, seek medical attention.

SECTION VIII – Special Precautions, Spill/Leak Procedures and Transportation

Accidental Release Measures: Absorb spill with absorbent material and place into container for disposal. Rinse with plain water.

Storage: Keep out of reach of children. Avoid contact with eyes. Do not store near high heat or open flame. Keep container closed when not in use.

Waste disposal method: Dispose of in accordance with state, local, and federal regulations.

Ecological Information: N/A

Storage/Transportation: DOT (49 CFR 173.150e) exemption applies. “Alcohol containing solutions containing 24% or less alcohol by volume and which consists of no less than 50% water and are stored in containers holding less than 750 US gallons are exempt from the classification as flammable and require no special shipping, storage or handling.”

SECTION IX – Special Protection Information / Control Measures

Protective Gloves and/or clothing: N/A

Eye Protection: Avoid direct contact with eyes. Safety glasses are recommended.

Ventilation: General room ventilation.

Respiratory Protection: N/A **Local Exhaust:** N/A **Mechanical:** Usual

IMPORTANT

While seller believes that the information contained herein is accurate, such information is offered solely for its customers' consideration and verification under their specific use conditions. This information is not deemed a warranty or representation of any kind for which seller assumes legal responsibility.



BIOTROL™

24-Hour Emergency No. (U.S.) 1-800-535-5053
(Outside U.S.) 352-323-3500

Questions or Comments? 1-800-325-1881