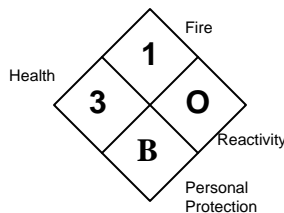


MATERIAL SAFETY DATA SHEET

PURIT CIDE-IT CATALOG NUMBER: PI016 (Concentrate Form)



SECTION I – Distributor

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

SECTION II – Hazardous Ingredients / Identity

Hazardous Components	CAS Number	% by Weight	EEC No.	R Phrases
#2 – phenylphenol	90-43-7	9.09%	201-993-5	36/37/38, 50
p-tertiary amylphenol	80-46-6	7.66%	Not Listed	[34, 22]
Potassium hydroxide	1310-58-3	5.00%	215-181-3	22, 35
Sodium Hydroxide	1310-73-2	<2.00%	215-185-5	36/38

Occupational Exposure Limits:

Sodium Hydroxide: ACGIH TLV and OSHA PEL=2 mg/m³ ceiling, UK HSE E40 STEL=2 mg/m³

Potassium Hydroxide: ACGIH TLV=2 mg/m³ ceiling; ACGOH and OSHA STEL=3 mg/m³; UK HSE E40 STEL=2 mg/m³

USA State Regulations: May contain trace levels of formaldehyde. Contains 2-phenylphenol

US EPA Registration Number: 1043-87-51003

US EPA Regulations: 2-phenylphenol subject to reporting under Section 313 of Title III (SARA) and 40 CFR 372.

SECTION III – Physical & Chemical Characteristics

Solubility in Water: Complete

Specific Gravity: approximately 1.10

Physical State, Appearance and Odor: Red Liquid. Mild odor.

pH: approximately 12.3

Boiling Point: Not Determined

Vapor Pressure / Density: Not Determined

Evaporation Rate: Not Determined

Freezing: Not Determined

SECTION IV – Fire & Explosion Data

Conditions of Flammability, Flash Point, and Auto-ignition Temperature: Not Flammable

Explosibility Data: Not Determined

Extinguishing Media: Suitable for surrounding fire.

Special Fire Fighting Procedures; Unusual Fire and Explosion Hazards: None known.

SECTION V – Physical Hazards (Reactivity Data)

Stability: Stable

Incompatible Materials: Reaction with acid can create heat.

Hazardous Polymerization: Will not occur

Hazardous Decomposition or By-Products: Forced ignition of dried residues may produce CO₂, CO and sulfur oxides.

Conditions to Avoid/Conditions of Reactivity: None known.

SECTION VI – Health Hazards

Effects of Acute Exposure:

Skin (Irritancy or Sensitization) and Eyes (Irritancy): Concentrate severely irritating. 1:200 dilution slightly irritating.

Ingestion – Oral LD₅₀ (rats) 4,500 mg/kg. Causes upset to stomach.

Inhalation – Inhalation toxicity >54 ml/liter at 1:200 for 4 hours. Mists may irritate nasal passages.

Long Term Exposure:

Chemical Listed as Carcinogen or Potential Carcinogen: National Toxicology Program; I.A.R.C. Monographs and OSHA do not list this product or its ingredients as carcinogens. 2-phenylphenol produced urinary bladder tumors in male rats and liver tumors in male mice when fed exaggerated doses.

Reproductive Toxicity/Teratogenicity/Mutagenicity/Toxicologically Synergistic Products: ND

SECTION VII – Emergency First Aid Procedures

Skin and Eye Contact: Flush immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

Ingestion – Do not induce vomiting. Get medical attention. Do not give anything by mouth to an unconscious person. If conscious drink large quantities of milk or water.

Inhalation – Remove patient to fresh air. If not breathing give artificial respiration. Get medical attention.

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

Precautions to be taken in Handling and Storing: Product will withstand an occasional accidental freezing. Thoroughly thaw and agitate before use. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Waste disposal method: Do not contaminate ponds, waterways, or ditches with chemical or used containers. Rinse empty containers thoroughly and discard in an appropriate waste container. Containers may be offered for reconditioning or recycling. Do not reuse empty container. Dispose of in accordance with all applicable local, state, and federal regulations. Product may be flushed to a sanitary sewer with copious amounts of water if in accordance with state, local and federal regulations. For additional guidance contact the State Water Board or the Regional Office of the EPA.

Spill/Leak Procedures: With appropriate personal protection equipment contain and then neutralize spills with a weak acid solution, or absorb spills with an appropriate material then place in a container for disposal. Flush spill site with large amounts of water to a sanitary sewer. Prevent washings from entering surface water/storm drains. Observe local regulations.

Other Precautions: Read and observe all labeled precautions.

Transportation: Non-hazardous for ground, air or sea.

SECTION IX – Special Protection Information / Control Measures

Protective wear: Goggles, or safety glasses. Use rubber or other protective chemical resistant gloves where contact may occur.

Ventilation: Adequate ventilation to maintain air concentrations below established limits.

Respiratory Protection: None unless established exposure limits (section 2) are exceeded.

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