

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (As used on Label and List) BARBICIDE PLUS	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section I

Manufacturer's Name: King Research, Inc.	Emergency Telephone Number: (800) 424-9300
Address: 114 - 12 th Street	Telephone Number for Information: (718) 788-0122
Brooklyn, NY 11215	Date Prepared: November 17, 2004
	Signature of Preparer (optional)

Section II – Hazardous Ingredients/Identity information

Hazardous Components (Specific Chemical Identity; Common Names(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Isopropyl Alcohol CAS #67-63-0	400 ppm	400 ppm	N/A	7.79%
ortho-benzyl-parachlorophenol CAS #120-32-1	N/E	not determined	N/A	4.40%
ortho-phenylphenol CAS #90-43-7	N/E	not determined	N/A	2.82%
para-tertiary-amylphenol CAS #80-46-6	N/E	not determined	N/A	2.49%

Section III – Physical/Chemical Characteristics

Boiling Point:	212°F	Specific Gravity (H ₂ O = 1)	1.05 to 1.07
Vapor Pressure (mm Hg.)	Unknown	Melting Point:	N/A
Vapor Density (AIR = 1)	Unknown	Evaporation Rate (Butyl Acetate =1)	Unknown
Solubility in Water: Complete pH (conc.) 11.50 to 12.50 pH (Diluted) 1:128 9.50 to 10.50			
Appearance and Odor: Clear dark blue liquid with a mild lavender odor.			

Section IV – Fire and Explosion Hazard Data

Flash Point: 115° F – (method used) SETA	Flammable Limits: N/D	LEL N/D	UEL N/D
Extinguishing Media: Water, CO ₂ , dry chemical.			

Special Fire Fighting Procedures: Firefighters should be made aware of phenolic contents of this material so they can wear appropriate protection. Apply water spray to cool closed containers.

Unusual Fire and Explosion Hazards: Highly toxic gases (chlorine) can be evolved. Burning may release combustion products such as phenolics, carbon monoxide, carbon dioxide and chlorine.

(Reproduce locally)

BARBICIDE PLUS®

Section V – Reactivity Data

Stability:	Unstable:		Conditions to Avoid: Extreme high temperatures, Sparks, open flames.
	Stable:	X	

Incompatibility (Materials to Avoid): Strong-oxidizing agents.

Hazardous Decomposition or by products: None known.

Hazardous Polymerization:	May Occur:		Conditions to Avoid:
	Will Not Occur:	X	

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation	Skin	Ingestion	Eyes
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Health Hazards (Acute and Chronic): Corrosive to lungs. Can be harmful if ingested or if spray mist is inhaled.

Will cause eye irritation and skin irritation with prolonged exposure.

Carcinogenicity:	NTP N/L	IARC Monographs N/L	OSHA Regulated N/L
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Signs and Symptoms of Exposure: Burning sensation, watering or redness of eyes. If inhaled, possible lung damage. Redness, irritation or burning sensation on skin with prolonged exposure. If ingested possible GI irritation, cramps, stomach pain.

Medical Conditions

Generally Aggravated by Exposure: None known.

Emergency and First Aid Procedures. Eyes: Flush with cool running water for 15 minutes. Get medical attention promptly. Skin: Wash thoroughly with cool water for 15 minutes. If ingested and person is conscious and alert, drink large amounts of milk, egg whites or large quantities of water. Do not induce vomiting without medical advice. . Call a physician

Section VII – Precaution for Safe Handling and Use

Steps to be Taken in Case Material Is Released or Spilled: Do not let large amount of undiluted material into sewer. Dike with sand or clay (or “kitty litter”). Shovel absorbed material into drums for disposal.

Small spills (less than 1 gallon) may be washed down a drain with lots of water.

Large spills (more than 1 gallon) should be contained or collected by absorption (sand, clay or other absorbent material) then dispose of properly.

Waste Disposal Method: This product is not considered a RCRA Hazardous Waste as identified in Federal Regulations 40 CRF 261. If these wastes cannot be disposed of by use according to label instructions, contact your Environmental Control Agency or the hazardous waste authorities for guidance.

Precautions to Be Taken in Handling and Storing: Wear rubber gloves and safety glasses and a rubber or plastic apron.

Do not contaminate water, food or feed. Do not reuse empty container. Keep containers clean and closed.

Other Precautions: Keep out of reach of children.

Section VIII – Control Measures

Respiratory Protection (Specify Type: General ventilation is normally adequate.

Ventilation:	Local Exhaust: Not sufficient	Special: None
	Mechanical (General): Recommended	Other: None

Protective Gloves: Rubber Recommended	Eye Protection: Safety glasses or goggles
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Other Protective Clothing or Equipment: None required.

Work/Hygienic Practices: Wash hands after use. Do not get into eyes, on skin or clothing. May be harmful if swallowed. Protect food and drink from contamination by product.