



# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard

HMIS SYMBOL	
HEALTH	1
FLAMMABILITY	4
REACTIVITY	0

HMIS	NFPA	NFPA SYMBOL
SEVERE 4	EXTREME 4	
SERIOUS 3	HIGH 3	
MODERATE 2	MODERATE 2	
SLIGHT 1	SLIGHT 1	
MINIMAL 0	INSIGNIFICANT 0	

**Product:** MARC 141 PHENOLCIDE

## Section I - GENERAL INFORMATION

Company	Mid-American Research Chemical Corp.	Telephone No. (402)564-7104	Fax No. (402)563-1290
Address	P O Box 927 Columbus NE 68602-0927	Date 02/01/01	Formula Trade Secret

InfoTrac 24 Hour Emergency No. 1-800-535-5053

## Section II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Component	CAS Number	Exposure TLV (Units)	%(Optional)
Orthophenylphenol	90-43-7	NE	
Para-tertiary Amylphenol	80-46-6	NE	
<b>SDA 3A Denatured Alcohol (Mixture: Water, Ethyl &amp; Methyl Alcohol)</b>			
A. Methyl Alcohol	67-56-1	200 ppm	
B. Ethyl Alcohol	64-17-5	1000	
Sodium Nitrite	7632-00-0	NE	
Ammonium Hydroxide	1336-21-6	25	
Liquefied Petroleum Gas	68476-85-7	1000	

## Section III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (° F.)	N/A	Specific Gravity (H <sub>2</sub> O=1)	<1.0
Vapor Pressure (mm Hg)	125 @ 130° F.	Melting Point (° F.)	N/D
Vapor Density (Air=1)	>1	Evaporation Rate (Butyl Acetate=1)	<1

Solubility in Water

Appreciable.

Appearance and Odor

Wet misty spray. Floral odor.

## Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (° F.) (Method Used)

This product is considered to be flammable as described 16 CFR 1500.45

Extinguishing Media

Carbon dioxide, foam and/or dry chemical may be used.

Special Fire Fighting Procedures

Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

Unusual Fire and Explosion Hazards

At elevated temperatures (over 54° C. - 130° F. ) containers may vent or burst.

N/A = Not Applicable

N/D = Not Determined

(Continued on Reverse Side)

**Section V - REACTIVITY DATA**

Stability	Unstable	<input type="checkbox"/>	Conditions to Avoid
	Stable		
			Do not store above 54° C. - 130° F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.
Incompatibility	(Materials to Avoid)		Strong acids and oxidizers.
Hazardous Decomposition or Combustion By-Products			Carbon monoxide, carbon dioxide and additional toxic chemicals may be formed in small amounts.
Hazardous Polymerization	May Occur	<input checked="" type="checkbox"/>	Conditions to Avoid
	Will Not Occur		

**Section VI - HEALTH HAZARD DATA**

Route(s) of Entry:	Inhalation <input checked="" type="checkbox"/>	Skin and Eyes <input checked="" type="checkbox"/>	Ingestion <input checked="" type="checkbox"/>
Health Hazards (Acute & Chronic)			
Danger. Flammable. Contents under pressure. Corrosive. Causes eye damage. Harmful or fatal if swallowed. Causes skin irritation.			
Carcinogenicity:	NTP <input type="checkbox"/>	IARC Monographs <input type="checkbox"/>	OSHA Regulated <input type="checkbox"/>
Signs and Symptoms of Overexposure			
Respiratory irritation. High concentrations may lead to drying, irritation and dermatitis. Possible skin absorption. Eye contact may cause burning and irritation.			
Medical Conditions Generally Aggravated by Exposure			
Pre-existing skin and eye disorders may be aggravated by exposure.			
Emergency and First Aid Procedures			
<b>Eyes:</b> Flush with plenty of water for 15 minutes while holding eyelids open. Get medical attention if irritation persists. <b>Skin:</b> Remove contaminated clothing. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. <b>Inhalation:</b> Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention. <b>Ingestion:</b> Get medical attention.			

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

Steps to be Taken in Case Material is Released or Spilled	
Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.	
Waste Disposal Method	
Do not puncture or incinerate containers. When contents are depleted, continue to depress button until all gas is expelled. Dispose of container in accordance with local, state and federal regulations.	
Precautions to be Taken in Handling and Storing	<b>DO NOT TAKE INTERNALLY.</b>
Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130° F. (54° C.). Store as Level 2 Aerosol (NFPA 30B).	
Other Precautions	
<b>KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!</b>	

**Section VIII - CONTROL MEASURES**

Respiratory Protection (Specify Type)			
None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.			
Ventilation	Local Exhaust <input checked="" type="checkbox"/>	Adequate.	Mechanical (General) <input checked="" type="checkbox"/>
Other	None		
Protective Gloves:	Chemical resistant optional.		Eye Protection: Chemical safety glasses recommended.
Other Protective Clothing or Equipment			
Wear impervious clothing to prevent skin contact.			
Work/Hygienic Practices			
Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.			

While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.

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