

# MATERIAL SAFETY DATA SHEET Complies with OSHA's Hazard Communication Standard (29 CFR 1910.1200)

EMERGENCY TELEPHONE NUMBER: 913-621-6542 REFERENCE: RDN88A (0593) Item No. 25090

PRODUCT NAME: **AGRI-PHENE Germicidal Detergent**

DESCRIPTION: A concentrated germicidal detergent formulated for use on hard inanimate surfaces.

MANUFACTURER'S INFORMATION: **Central Solutions, Inc.**  
 3130 Brinkerhoff Rd., P.O. Box 15276  
 Kansas City, KS 66115

DATE PREPARED: **January 25, 1999**

SIGNATURE (Optional): *[Signature]*

PREPARED BY: Paul Nobrega, Director of Regulatory Affairs

REVIEWED BY: Gary W. Helton, Environmental Health Specialist

HMIS RATING	Concentrate	HEALTH	2	REACTIVITY	0	FLAMMABILITY	2	PERSONAL	B
HMIS RATING	Diluted 1:256 (1/2 oz./gal.)	HEALTH	1	REACTIVITY	0	FLAMMABILITY	0	PERSONAL	B

HAZARD RATINGS: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme A = Safety Glasses B = Safety Glasses & Gloves

## SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity)	CAS #'s	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Isopropyl alcohol	67-63-0	400 ppm	400 ppm	N/E	10.00%
Potassium ortho-benzyl-parachlorophenate	120-32-1	N/E	N/E	N/E	8.03%
*Potassium ortho-phenylphenate	90-43-7	N/E	N/E	N/E	6.28%
Potassium para-tertiary-amylphenate	80-46-6	N/E	N/E	N/E	4.30%

\* Ingredients subject to reporting requirements of Section 313 of SARA Title II

N/A = Not Applicable N/E = Not Established N/D = Not Determined N/L Not Listed

## SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance and Odor:	Clear Dark Amber Liquid (that may darken with age) with a lavender fragrance				
Boiling Point:	212° F	Specific Gravity: @25°C	1.081 to 1.091	pH (Concentrate):	11.92 to 12.42
Vapor Pressure:	N.E.	Solubility In Water:	Complete	pH (Diluted):	8.50 to 10.00
Vapor Density:	N.E.	Melting Point:	N/A	Evaporation Rate	N.E.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 110°F (Combustible Liquid) (METHOD USED): PMCC Flammable Limits: N/E LEL: N/E UEL: N/E

EXTINGUISHING MEDIA: In case of fire use water spray, CO<sub>2</sub>, Dry Chemical or Foam

FIRE FIGHTING PROCEDURES: Use water spray to cool fire-exposed containers and to protect personnel

HAZARDOUS FIRE AND EXPLOSION HAZARDS: Burning may release combustion products such as Phenolics, carbon monoxide, carbon dioxide, and chlorine

## SECTION V - PHYSICAL HAZARDS / REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will Not Occur

INCOMPATIBILITY (Materials or Conditions to Avoid): None

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None known

## SECTION VI - HEALTH HAZARDS (Acute & Chronic)

ROUTES OF ENTRY:	Eyes?	X	Skin?	X	Ingestion?	X	Inhalation?	X
CARCINOGENICITY:	NTP?	NO	IARC Monographs?	NO	OSHA Regulated?	NO		

HEALTH HAZARDS: Will cause eye irritation and skin irritation with excessive or prolonged exposure. Harmful or fatal if swallowed. Corrosive to lungs.

SIGNS AND SYMPTOMS OF EXPOSURE: If in eyes: Burning sensation, watering, or redness. If on skin: Redness, irritation, or burning sensation with prolonged exposure. If spray mist is inhaled: Lung irritation and/or burning sensation. If Swallowed: Drowsiness, irregular pulse, loss of consciousness.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

EMERGENCY AND FIRST AID PROCEDURES: If in eyes: Flush with water for 15 minutes. If on skin: Wash liberally with soap and water. If on clothes: Wash before reuse. If swallowed: Dilute by drinking milk, egg whites, or large quantities of water. Do not induce vomiting without medical advice. If spray mist is inhaled: Remove to fresh air. Always get medical attention when product is swallowed or when symptoms are significant or persist.

## SECTION VII - PRECAUTIONS FOR SAFE STORAGE & HANDLING

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills may be washed down a drain or cleaned up and disposed of into a sanitary sewer system. Large spills should be contained and collected (by absorption or vacuuming) then disposed of properly.

WASTE DISPOSAL METHOD: Dispose of product by using in accordance with label directions or in accordance with local, state, and federal regulations. This product is considered a RCRA Hazardous Waste (as Corrosive due to pH) as identified in Federal Regulations 40 CFR 261.

STORAGE & HANDLING PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean and closed.

## SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: General ventilation is normally adequate. Protect breathing system with an appropriate respirator if spraying causes exposure to mists.

GLOVES: Required for exposure to the concentrate when diluting or for long exposures to end-use dilutions. Persons sensitive to cleaning chemicals should always wear gloves.

EYE PROTECTION: USE Safety Glasses when diluting concentrates or when splashing or spraying of diluted product into the eyes is likely.

PROTECTIVE CLOTHING OR EQUIPMENT: Not normally necessary for routine handling.

HYGIENE PRACTICES: Wash hands after using. Do not get into eyes, on skin, or clothing. May be harmful if swallowed. Protect food and drink from contamination by product.

VENTILATION: Local Exhaust: Normally Sufficient Mechanical (General): Not Normally Needed

NOTE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied is given. It is the responsibility of the user to comply with all Federal, State and Local laws and regulations.