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# M A T E R I A L   S A F E T Y   D A T A   S H E E T

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## SECTION 1. Product and Company Identification SYNPHENOL-3

**Product Code:** 3862-177-43591

**Product Name:** SYNPHENOL-3

**Reference #:** 3000655

### Manufacturer Information

**Company Name:** Distributed by:  
Veterinary Products Laboratories  
P.O. Box 34820  
Phoenix, AZ 85067-4820

**Emergency Contact:** CHEMTREC (800)424-9300

**Information:** (888)241-9545

**Preparer Name:** Sherry Faith

**Chemical Family:** COMPOUND

### Additional Identity Information

Former EPA Reg. No. 11725-7-43591

## SECTION 2. Composition/Information on Ingredients SYNPHENOL-3

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
2-Phenylphenol	90-43-7	12.0 %	No data.	No data.
ORTHO BENZYL PARA CHLOROPHENE	120-32-1	10.0 %	No data.	No data.
Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	4.0 %	No data.	No data.
Isopropyl alcohol	67-63-0	0.1 -6.0 %	No data.	No data.

## SECTION 3. Hazards Identification SYNPHENOL-3

### Emergency Overview

**EYES:** Exposure to product in concentrate may cause severe irritation.

**SKIN CONTACT:** Exposure to product may cause severe irritation. Acute Dermal LD50 is greater than 2g/kg body weight.

**INGESTION:** Material can be harmful if ingested in quantity. Acute Oral LD50 in rats = 3,526 mg/kg of body weight.

**INHALATION:** Prolonged exposure to concentrate may cause minor respiratory discomfort. LC50 in rats is greater than gravimetric concentration of 5.6 mg/l.

**Route(s) of Entry:** Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes

**Potential Health Effects (Acute and Chronic)**

DANGER: CORROSIVE: Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin, or on clothing.

**Recommended Exposure Limits**

NA

**LD 50 / LC 50**

Acute Oral LD50 in rats = 3,526 mg/kg

**Signs and Symptoms Of Exposure**

No data available.

**Medical Conditions Generally Aggravated By Exposure**

Unknown

<b>SECTION 4. First Aid Measures</b> <b>SYNPHENOL-3</b>
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**Emergency and First Aid Procedures**

IF IN EYES: Hold eyelids open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment.

IF SWALLOWED: Call poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting until told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Have the product label with you when calling a poison control center or doctor or going for treatment.

**Note to Physician**

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

<b>SECTION 5. Fire Fighting Measures</b> <b>SYNPHENOL-3</b>
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**Flash Pt:** > 96.00 F Method Used: TAG Closed Cup

**Explosive Limits:** LEL: NT UEL: NT

**Fire Fighting Instructions**

None

**Flammable Properties and Hazards**

None

**Extinguishing Media**

Water

**Unsuitable Extinguishing Media**

No data available.

<b>SECTION 6. Accidental Release Measures</b> <b>SYNPHENOL-3</b>
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**Steps To Be Taken In Case Material Is Released Or Spilled**

Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Collect and contain for disposal in accordance with all state and federal regulations.

<b>SECTION 7. Handling and Storage SYNPHENOL-3</b>
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**Hazard Label Information:**

Do not contaminate water. Store away from children

**Precautions To Be Taken in Handling**

Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

**Precautions To Be Taken in Storing**

Store only in original container away from heat or open flame. Keep container closed when not in use. Storage must be secured sufficiently to make product inaccessible to children or persons unfamiliar with its proper use. Do not contaminate water, food, or feed by storage or disposal.

**Other Precautions**

KEEP OUT OF REACH OF CHILDREN.

<b>SECTION 8. Exposure Controls/Personal Protection SYNPHENOL-3</b>
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**Protective Equipment Summary - Hazard Label Information:**

Use only with adequate ventilation.

**Respiratory Equipment (Specify Type)**

Applicators and other handlers exposed to fog during fogging applications, and until fog has dissipated and the enclosed area has been thoroughly ventilated, must wear a full-face dust/mist filtering respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge with any R, P or HE prefilter. Follow manufacturers' instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Keep and wash PPE separately from other laundry.

**Eye Protection**

Goggles or face shield

**Protective Gloves**

Chemical-resistant gloves such as barrier laminate, butyl rubber, neoprene rubber and viton.

**Other Protective Clothing**

Coveralls over long-sleeved shirt and long pants; socks and chemical resistant shoes

**Engineering Controls (Ventilation etc.)**

Maintain adequate ventilation

**Work/Hygienic/Maintenance Practices**

Wash hands after use and before eating, drinking, chewing gum, using tobacco, or using restroom. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly.

## SECTION 9. Physical and Chemical Properties SYNPHENOL-3

<b>Physical States:</b>	[ ] Gas	[ X ] Liquid	[ ] Solid
<b>Melting Point:</b>	NA		
<b>Boiling Point:</b>	211.00 F		
<b>Autoignition Pt:</b>	No data.		
<b>Flash Pt:</b>	> 96.00 F	Method Used:	TAG Closed Cup
<b>Explosive Limits:</b>	LEL: NT	UEL:	NT
<b>Specific Gravity (Water = 1):</b>	1.09 at 25.0 C		
<b>Density:</b>	NA		
<b>Bulk density:</b>	NA		
<b>Vapor Pressure (vs. Air or mm Hg):</b>	N.A.		
<b>Vapor Density (vs. Air = 1):</b>	N.A.		
<b>Evaporation Rate (vs Butyl Acetate=1):</b>	.9 at 25.0 C		
<b>Solubility in Water:</b>	100%		
<b>Solubility Notes</b>	Soluble		
<b>Percent Volatile:</b>	N.A.		
<b>Saturated Vapor Concentration:</b>	NA		
<b>Viscosity:</b>	NA		
<b>Heat Value:</b>	NA		
<b>Particle Size:</b>	NA		
<b>Corrosion Rate:</b>	NA		
<b>Formula:</b>	BIO-TEK INDUSTRIES, INC.		
<b>pH:</b>	NA		

**Appearance and Odor**

Color varies between amber and purple upon aging (color variance has no relationship to efficacy and cleaning ability; pleasant lemon odor.

## SECTION 10. Stability and Reactivity SYNPHENOL-3

<b>Stability:</b>	Unstable [ ]	Stable [ X ]
<b>Conditions To Avoid - Instability</b>		
Unknown		
<b>Incompatibility - Materials To Avoid</b>		
Acids, other detergents, chlorine.		
<b>Hazardous Decomposition Or Byproducts</b>		
Unknown		
<b>Hazardous Polymerization:</b>	Will occur [ ]	Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Polymerization</b>		
Will not occur.		

## SECTION 11. Toxicological Information SYNPHENOL-3

No data available

### Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
2-Phenylphenol	90-43-7	n.a.	n.a.	n.a.	n.a.
ORTHO BENZYL PARA CHLOROPHENE	120-32-1	n.a.	n.a.	n.a.	n.a.
Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	n.a.	n.a.	n.a.	n.a.
Isopropyl alcohol	67-63-0	n.a.	n.a.	A4	n.a.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

## SECTION 12. Ecological Information SYNPHENOL-3

This product is toxic to fish. Do not discharge effluent containing this product into lakes ponds, streams, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

## SECTION 13. Disposal Considerations SYNPHENOL-3

### Waste Disposal Method

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

## SECTION 14. Transport Information SYNPHENOL-3

### LAND TRANSPORT (US DOT)

**DOT Proper Shipping Name** No data available.

**DOT Hazard Class:** ORM-D

**DOT Hazard Label:** None

### Additional Transport Information

Containers greater than 1.3 gallons: Flammable Liquid, Corrosive, N.O.S. (Marine Pollutant, Contains

Isopropyl Alcohol, Caustic Soda, and OBCP), 3, UN2924, PG III, Synphenol-3

**SECTION 15. Regulatory Information**  
**SYNPHENOL-3**

No data available.

**SECTION 16. Other Information**  
**SYNPHENOL-3**

Container disposal: Plastic: triple rinse, then offer for recycling or reconditioning.

**Company Policy or Disclaimer**

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.

	Minimal: 0 Slight: 1 Moderate: 2 Serious: 3 Extreme: 4	<p style="text-align: right;"><b>Generated</b> 09/13/2010  <b>Revision</b> 07/08/2010  <b>Supercedes Revision</b> 09/07/2006  <b>Date Created</b> 12/12/1991</p>
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