

## Offer Sheet

Product	4-Phenylphenol
Quantity	29 pallets (50 lb. bags)
Net weight	31,958 lbs.
Manufacture date	
Availability	One time
Location	Covington, KY 41011
Date	8/18/25
COA & SDS	Attached below



### 1. Disinfectants and Biocides

- **Surface disinfectants:** Widely used as an active ingredient in household and institutional cleaners.
- **Agricultural sanitizers:** Applied on fruits (especially citrus) as a post-harvest fungicide to prevent mold and decay.
- **Wood preservation:** Used to protect timber against fungal attack.

### 2. Industrial Applications

- **Adhesives and resins:** Serves as an intermediate in the manufacture of phenolic resins, adhesives, and coatings.
- **Rubber chemicals:** Functions as an antioxidant in rubber compounding to improve durability.
- **Textiles:** Sometimes used as a preservative in textile finishing agents.

### 3. Chemical Intermediate

- Precursor in the synthesis of other fine chemicals, including dyes, pharmaceuticals, and agrochemicals.
- Used in the preparation of polymer stabilizers and antioxidants.

### 4. Cleaning and Sanitation Products

- **Hospital and laboratory disinfectants:** Incorporated in specialty cleaning agents to control microbial contamination.
- **Food processing equipment cleaners:** Helps maintain sanitary conditions in processing plants.

### 5. Specialty Applications

- Plays a role in the **preservation of leather and paper products** to prevent fungal growth.
- Used in certain niche **cosmetic preservative formulations**, though regulated due to safety concerns.

If interested, please call or text:

#### Brian Svrusis

Solvent Systems International  
70 King St.  
Elk Grove Village, IL 60007  
847-323-6718 call or text  
Click here for: [Surplus Inventory](#)  
[Solvent-Systems.com](#)



## Certificate of Analysis

### P-PHENYLPHENOL

Lot/Batch #: 20220504  
CAS Number: 92-69-3  
Manufacturer: Sunlion  
Customer Code: 1000003537  
Customer PO #: 4502897947  
Parchem Order #: 52701

Test	Limit	Result
Appearance	Free flowing white coarse	Conforms
HPLC	> 99.0%	99.24%
3-Hydroxybiphenyl	< 0.1%	0.02%
2-Hydroxybiphenyl	< 0.2%	0.01%
4,4'-dihydroxybip	< 0.5%	0.38%
Moisture	< 0.1%	0.02%
Ash	< 0.1%	0.03%

**QA Review:**



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**QA Approval:**



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# SAFETY DATA SHEET

## 4-PHENYLPHENOL



Version	Revision Date:	SDS Number:	Date of last issue: -
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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 4-PHENYLPHENOL

Product code : 000000001000003537

#### Manufacturer or supplier's details

Company : Borchers Americas, Inc.

Address : Sharon Drive 811  
Westlake OH 44145

Telephone : +1-864-503-1940 (M-F, 8-5 EST)

E-mail address : BorchersSDS@milliken.com

Emergency telephone : In case of emergency call CHEMTREC US: 1-800-424-9300,  
CHEMTREC WORLD: 1-703-527-3887.

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### 2. HAZARDS IDENTIFICATION

#### Manufacture, Storage and Import of Hazardous Chemicals Rules 1989

##### Classification

Not classified as hazardous according to criteria laid down in Part I of Schedule-1.

##### GHS Classification

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2A

Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

Short-term (acute) aquatic hazard : Category 2

Long-term (chronic) aquatic hazard : Category 2

##### GHS label elements

Hazard pictograms : 

Signal Word : Warning

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Hazard Statements : H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
P261 Avoid breathing dust.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.

**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P304 + P340 + P319 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332 + P317 If skin irritation occurs: Get medical help.  
P337 + P317 If eye irritation persists: Get medical help.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.

**Storage:**  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
biphenyl-4-ol	92-69-3	>= 90 - <= 100

### 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Show this material safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical

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- |   |   |
|---|---|
|   | advice.   |
| In case of skin contact                                     | : If symptoms persist, call a physician.<br>If skin irritation persists, call a physician.<br>If on skin, rinse well with water.<br>If on clothes, remove clothes.                            |
| In case of eye contact                                      | : Immediately flush eye(s) with plenty of water.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist. |
| If swallowed  | : Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.               |
| Most important symptoms and effects, both acute and delayed | : Causes skin irritation.<br>Causes serious eye irritation.<br>May cause respiratory irritation.  |
| Notes to physician  | : Treat symptomatically.  |

### 5. FIRE-FIGHTING MEASURES

- |  |   |
|--|---|
| Unsuitable extinguishing media                 | : High volume water jet   |
| Specific hazards during fire fighting          | : Do not allow run-off from fire fighting to enter drains or water courses.   |
| Specific extinguishing methods                 | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for fire-fighters | : Wear self-contained breathing apparatus for firefighting if necessary.  |

### 6. ACCIDENTAL RELEASE MEASURES

- |   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.<br>Avoid dust formation.<br>Avoid breathing dust.  |
| Environmental precautions   | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up               | : Keep in suitable, closed containers for disposal.   |

### 7. HANDLING AND STORAGE

- |   |  |
|---|--|
| Advice on protection against fire and explosion | : Avoid dust formation.<br>Provide appropriate exhaust ventilation at places where dust is formed. |
| Advice on safe handling                         | : Avoid formation of respirable particles.<br>Do not breathe vapors/dust.                          |

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Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : solid

Color : off-white

Odor : slight

Odor Threshold : Not relevant

pH : No data available

Melting point/freezing point : 164 - 165 °C

Boiling point/boiling range : 305 - 308 °C

Flash point : 165 °C

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Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Self-ignition	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	1.24 g/cm <sup>3</sup> (20 °C)
Solubility(ies)		
Water solubility	:	practically insoluble
Solubility in other solvents	:	Solvent: Alcohol Description: soluble
		Solvent: Ether Description: soluble
Partition coefficient: n-octanol/water	:	log Pow: 3.20
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Molecular weight	:	170.2 g/mol

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### 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	No data available
Incompatible materials	:	Not applicable

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Skin corrosion/irritation

Causes skin irritation.

#### Product:

Remarks	:	May cause skin irritation in susceptible persons.
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### **Components:**

#### **biphenyl-4-ol:**

Result : Skin irritation

#### **Serious eye damage/eye irritation**

Causes serious eye irritation.

### **Product:**

Remarks : May cause irreversible eye damage.

### **Components:**

#### **biphenyl-4-ol:**

Result : Eye irritation

#### **Respiratory or skin sensitization**

##### **Skin sensitization**

Not classified based on available information.

##### **Respiratory sensitization**

Not classified based on available information.

##### **Germ cell mutagenicity**

Not classified based on available information.

##### **Carcinogenicity**

Not classified based on available information.

##### **Reproductive toxicity**

Not classified based on available information.

##### **STOT-single exposure**

May cause respiratory irritation.

### **Components:**

#### **biphenyl-4-ol:**

Assessment : May cause respiratory irritation.

##### **STOT-repeated exposure**

Not classified based on available information.

##### **Aspiration toxicity**

Not classified based on available information.

#### **Further information**

### **Product:**

Remarks : No data available



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### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Components:

##### biphenyl-4-ol:

Toxicity to daphnia and other : EC50 (Daphnia): 3.66 mg/l  
aquatic invertebrates Exposure time: 48 h

#### Persistence and degradability

No data available

#### Bioaccumulative potential

##### Components:

##### biphenyl-4-ol:

Partition coefficient: n- : log Pow: 3.20  
octanol/water

#### Mobility in soil

No data available

#### Other adverse effects

##### Product:

Additional ecological : An environmental hazard cannot be excluded in the event of  
information unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

### 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : The product should not be allowed to enter drains, water  
courses or the soil.  
Do not contaminate ponds, waterways or ditches with  
chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S.  
( )

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Class : 9  
Packing group : III  
Labels : 9

### IATA-DGR

UN/ID No. : UN 3077  
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.  
( )

Class : 9  
Packing group : III  
Labels : Miscellaneous  
Packing instruction (cargo aircraft) : 956  
Packing instruction (passenger aircraft) : 956  
Environmentally hazardous : yes

### IMDG-Code

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
( )

Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes

### Transport in bulk according to IMO instruments

Not applicable for product as supplied.

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

Additional information is available by request. ( regulatory@milliken.com )

## 16. OTHER INFORMATION

Date format : dd.mm.yyyy

### Full text of other abbreviations

AIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with

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x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Please Note: As each customer's use of our product may be different, information we provide, including without limitation, any regulatory information, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at [www.milliken.com/terms](http://www.milliken.com/terms) (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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