

## SECTION 1: Identification

### 1.1. Identification

Product name : WESTCO SP-120  
Synonyms : Styrenated Phenol

### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Antioxidant  
Elastomer products  
Restrictions on use : No additional information available

### 1.3. Supplier

: Western Reserve Chemicals  
4837 Darrow Road  
Stow, OH 44224 USA  
: PH: (330) 650-2244  
: Fax: (330) 650-2255  
: Website: www.wrchem.com

### 1.4. Emergency telephone number

Emergency number : CHEMTREC (800) 424-9300 USA

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture in accordance with OSHA HCS (29 CFR 1910.1200)

Skin Irritation, Category 2  
Skin Sensitization, Category 1A

### 2.2. GHS Label elements, including hazard symbol(s), signal word(s), hazard and precautionary statements

Hazard Symbol:



Signal Word:

Warning

Hazard Statements:

Causes skin irritation  
May cause an allergic skin reaction

Precautionary Statements:

Wear protective gloves/protective clothing/eye protection/face protection.  
Wash hands and exposed skin after use.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Contaminated clothing should not be allowed out of the workplace.

Other hazards:

Toxic to aquatic life with long lasting effects.  
Toxic to aquatic life.

## SECTION 3: Composition/information on ingredients

	CAS No.	%
Phenol, styrenated	61788-44-1	>99
Phenol	108-95-2	< 1

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

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persists.  
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray.  
Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

Fire hazard : Burning produces irritating, toxic and noxious fumes. Fire will produce dense black smoke. Acrid and pungent.  
Explosion hazard : Product is not explosive.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid all eye and skin contact and do not breathe vapour and mist.

##### 6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8.2.  
Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Refer to section 8.2.  
Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.  
Hygiene measures : Do not eat, drink or smoke when using this product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool well ventilated place.  
Incompatible products : Strong acids. Strong oxidizers.  
Incompatible materials : Sources of ignition. Direct sunlight.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>WESTCO SP-120</b>	
No additional information available	
<b>Phenol, styrenated (61788-44-1)</b>	
No additional information available	
<b>Phenol (108-95-2)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Phenol
ACGIH TWA (mg/m <sup>3</sup> )	19 mg/m <sup>3</sup>
ACGIH TWA (ppm)	5 ppm
Remark (ACGIH)	TLV® Basis: URT irr; lung dam; CNS impair. Notations: Skin; A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2020
<b>USA - ACGIH - Biological Exposure Indices</b>	
Local name	PHENOL
Biological Exposure Indices (BEI)	250 mg/g creatinine Parameter: Phenol - Medium: urine - Sampling time: End of shift - Notations: B, Ns
Regulatory reference	ACGIH 2020
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Phenol
OSHA PEL (TWA) (mg/m <sup>3</sup> )	19 mg/m <sup>3</sup>
OSHA PEL (TWA) (ppm)	5 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>USA - IDLH - Occupational Exposure Limits</b>	
US IDLH (ppm)	250 ppm
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL (TWA) (mg/m <sup>3</sup> )	19 mg/m <sup>3</sup>
NIOSH REL TWA [ppm]	5 ppm
NIOSH REL (ceiling) (mg/m <sup>3</sup> )	60 mg/m <sup>3</sup>
NIOSH REL C [ppm]	15.6 ppm

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid creating mist or spray. Either local exhaust or general room ventilation is usually required. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. Butyl rubber gloves. Nitrile rubber gloves

#### Eye protection:

Chemical goggles or safety glasses. If there is a risk of liquid being splashed : face shield

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Use an approved respirator equipped with oil/mist cartridges.

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
 Colour : light yellow amber

Odour	: phenolic
Odour threshold	: No data available
pH	: 5.5 – 6
Melting point	: No data available
Freezing point	: 4.4 °C
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

## 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong oxidizers.

### 10.6. Hazardous decomposition products

None under normal use.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Phenol, styrenated (61788-44-1)	
LD50 oral rat	2500 mg/kg
LD50 dermal rabbit	> 7940 mg/kg
ATE (oral)	2500 mg/kg bodyweight
Phenol (108-95-2)	
ATE (oral)	100 mg/kg bodyweight
ATE (dermal)	300 mg/kg bodyweight
ATE (dust,mist)	0.5 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

<b>Phenol (108-95-2)</b>	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

<b>Phenol (108-95-2)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Likely routes of exposure	: Inhalation. Skin and eye contact.
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Phenol, styrenated (61788-44-1)</b>	
LC50 fish 1	5.6 mg/l 96 h
EC50 crustacea	4.6 mg/l 48 h Daphnia magna
NOEC chronic crustacea	0.2 mg/l 21 d Daphnia magna
<b>Phenol (108-95-2)</b>	
LC50 fish 1	12500 mg/l carp
EC50 crustacea	825 ml/l
LC50 fish 2	920 mg/l gambusia affinis 96 hr

### 12.2. Persistence and degradability

<b>WESTCO SP-120</b>	
Persistence and degradability	Not established.
<b>Phenol, styrenated (61788-44-1)</b>	
Persistence and degradability	Not readily biodegradable.
Biodegradation	7 % 28 d
<b>Phenol (108-95-2)</b>	
Persistence and degradability	Product may persist in water.

### 12.3. Bioaccumulative potential

<b>WESTCO SP-120</b>	
Bioaccumulative potential	Not established.
<b>Phenol, styrenated (61788-44-1)</b>	
Log Pow	3.03
Bioaccumulative potential	highly bioaccumulative.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Sewage disposal recommendations	: Do not dispose of waste into sewer.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not regulated.

### Transport by sea

Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, styrenated), 9, III, MARINE POLLUTANT  
UN-No. (IMDG) : 3082  
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Class (IMDG) : 9 - Miscellaneous dangerous substances and articles  
Packing group (IMDG) : III - substances presenting low danger  
Limited quantities (IMDG) : 5 L

### Air transport

Transport document description (IATA) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, styrenated), 9, III  
UN-No. (IATA) : 3082  
Proper Shipping Name (IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Class (IATA) : 9 - Miscellaneous Dangerous Goods  
Packing group (IATA) : III - Minor Danger

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

#### SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Phenol	108-95-2	0.5

Phenol (108-95-2)	
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	1000 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	10000 lb 500lb if the substance is solid in powder form with particle size less than 100 microns, or is in solution or molten form

### 15.2. International regulations

#### CANADA

<b>Phenol, styrenated (61788-44-1)</b>
Listed on the Canadian DSL (Domestic Substances List) inventory.
<b>Phenol (108-95-2)</b>
Listed on the Canadian DSL (Domestic Substances List) inventory.

#### National regulations

<b>Phenol (108-95-2)</b>
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Chinese Catalog of Hazardous Chemicals.
Listed on Chinese List of Hazardous Chemicals for Priority Management-SAWS
Listed on Taiwan National Chemical Inventory
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

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### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

Component	State or local regulations
Phenol(108-95-2)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

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Version: 02

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