



# SAFETY DATA SHEET

Preparation Date: 11/06/2013 Revision Date: 8/27/2018 Revision Number: G4

# 1. IDENTIFICATION

**Product identifier** 

Product code: P1061

Product Name: PHENOL, FUSED CRYSTAL, BIOTECHGRADE

Other means of identification

**Synonyms:** Monohydroxybenzene;

Benzenol;

Phenyl hyroxide; Phenylic acid; Carbolic acid Hydroxybenzene; Monophenol; Oxybenzene; Phenic acid; Phenylic alcohol Phenyl hydrate 108-95-2 SJ3325000

CAS #: 108-95-2
RTECS # SJ3325000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Disinfectant. To induce cutaneous exfoliation. A local anesthetic (in weak

solutions).

Uses advised against No information available

**Supplier:** Spectrum Chemical Mfg. Corp

14422 South San Pedro St. Gardena, CA 90248 (310) 516-8000

Order Online At: https://www.spectrumchemical.com

Emergency telephone numberChemtrec 1-800-424-9300Contact Person:Martin LaBenz (West Coast)Contact Person:Ibad Tirmiz (East Coast)

# 2. HAZARDS IDENTIFICATION

#### Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Gases)	Category 3
Acute toxicity - Inhalation (Vapors)	Category 1

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Acute toxicity - Inhalation (Dusts/Mists)	Category 3
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Germ cell mutagenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2

#### Label elements

### Danger

#### Hazard statements

Harmful if swallowed

Toxic in contact with skin

Fatal if inhaled

Causes severe skin burns and eye damage

Suspected of causing genetic defects

May cause damage to organs through prolonged or repeated exposure



### Hazards not otherwise classified (HNOC)

Not Applicable

### Other hazards

Not available

### **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Use only outdoors or in a well-ventilated area

Do not breathe dust/fume/gas/mist/vapors/spray

Wear respiratory protection

### **Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Do NOT induce vomiting

#### **Precautionary Statements - Storage**

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CRYSTAL. BIOTECHGRADE

Store locked up

Store in a well-ventilated place. Keep container tightly closed

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Phenol	108-95-2	100

#### 4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you

have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect

himself.

**Skin Contact:** Wash off immediately with soap and plenty of water. Continue flushing with plenty of water

for at least 15 minutes. Remove all contaminated clothes and shoes. Immediate medical

attention is required. Call a physician immediately.

Eye Contact: Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a

physician immediately.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial

respiration. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is

required. Call a physician immediately.

**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an

unconscious person. Immediate medical attention is required. Call a physician or Poison

Control Center immediately.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Severe skin and eye irritation or burns

May cause gastrointestinal (digestive) tract burns

Can burn mouth, throat, and stomach

Dyspnea (Shortness of breath and difficulty breathing)

Rapid breathing

May cause build-up of fluid in the lungs (pulmonary edema)

May cause methemoglobinemia and cyanosis May cause central nervous system effects

Pallor

Excessive sweating Hypotension Cardiac arrhythmias Pupillary dilation

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of

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contaminated clothing and equipment as bio-hazardous waste.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media** 

Suitable Extinguishing Media: Dry chemical. Carbon dioxide (CO2). Water spray mist or

foam. Alcohol-resistant foam.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide.

Specific hazards: Combustible material. Containers may explode when

heated. Contact with metals may evolve flammable hydrogen gas. When heated, vapors may form explosive mixtures with air: indoors, outdoors and sewers explosion

hazards.

**Special Protective Actions for Firefighters** 

Specific Methods: Dike fire-control water for later disposal; do not scatter the

material. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after

fire is out.

**Special Protective Equipment for Firefighters:** As in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Remove all

sources of ignition. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. Avoid contact with skin,

eyes and clothing.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent entry into waterways,

sewers, basements or confined areas. Do not let product enter drains. Should not

be released into the environment.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Cover with plastic sheet to prevent

spreading.

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. Clean contaminated

surface thoroughly.

# 7. HANDLING AND STORAGE

### Precautions for safe handling

## **Technical Measures/Precautions:**

Use only in area provided with appropriate exhaust ventilation. Keep away from open flames, hot surfaces and

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sources of ignition. Keep away from incompatible materials.

### Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe vapors/dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

# **Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Air sensitive. Store under nitrogen. Protect from moisture. Moisture sensitive. Protect from light. Sensitive to light. Store in light-resistant containers. Store in a segregated and approved area. Store away from incompatible materials.

# **Incompatible Materials:**

Oxidizing agents

Metals

Acids

Bases

isocyanates

nitrides

Acetaldehyde

amides

Formaldehyde

aliphatic amines

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### National occupational exposure limits

### **United States**

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Phenol	108-95-2	5 ppm TWA 19 mg/m³ TWA	5 ppm TWA 19 mg/m³ TWA 15.6 ppm Ceiling 15 min 60 mg/m³ Ceiling 15 min	5 ppm TWA	None

### Canada

Components	CAS-No.	Canada - Alberta	Canada - British	Canada - Ontario	Canada - Quebec
			Columbia		
Phenol	108-95-2	5 ppm TWA 19 mg/m³ TWA	5 ppm TWA	None	None

# **Australia and Mexico**

Components	CAS-No.	Australia	Mexico
Phenol	108-95-2	1 ppm TWA	5 ppm TWA
		4 mg/m³ TWA	19 mg/m <sup>3</sup> TWA
			10 ppm STEL
			38 mg/m <sup>3</sup> STEL

### **Appropriate engineering controls**

**Engineering measures to reduce exposure:** Ensure adequate ventilation. Use process enclosures,

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local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Individual protection measures, such as personal protective equipment

### **Personal Protective Equipment**

Eye protection: Goggles or Safety glasses with side-shields.

Skin and body protection:

Chemical resistant apron Long sleeved clothing

Respiratory protection: Respirator with combination filter for vapor/particulate.

Avoid contact with skin, eyes and clothing. When using, do not eat, drink or Hygiene measures:

smoke. Wash hands and face before breaks and immediately after handling the

product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Appearance: Color: Solid Crystals. Crystalline. White.

Odor: Taste Formula: Aromatic. Acrid. Somewhat sickening Sharp. Burning. C6H5OH

sweet.

Molecular/Formula weight (g/mole): Flammability: Flashpoint (°C/°F):

No information available 79 °C/174.2°F 85 °C/185 °F

Flash Point Tested according to: Autoignition Temperature (°C/°F): **Lower Explosion Limit (%):** 1.7%

Closed cup 715 °C/1319 °F

Open cup

**Upper Explosion Limit (%):** Melting point/range(°C/°F): Decomposition temperature(°C/°F):

8.6% 41-42 °C/105.8107.6 °F No information available

Boiling point/range(°C/°F): **Bulk density:** Density (g/cm3):

182 °C/359.6 °F No information available 1.071

Specific gravity: Vapor pressure @ 20°C (kPa): :Ha

1.057 No information available 0.02-0.048

**Evaporation rate:** Vapor density: VOC content (q/L): No information available No information available 3.24

Partition coefficient Odor threshold (ppm): **Viscosity:** No information available 0.048 (n-octanol/water):

1.46

Miscibility: Solubility:

Miscible with Acetone Very soluble in alcohol

Very soluble in chloroform

Very soluble in Dimethyl Sulfoxide

Very soluble in Glycerol

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Very soluble in carbon disulfide Very soluble in petrolatum Very soluble in aqueous alkali

hydroxides

Very soluble in volatile and fixed oils

Soluble in Water

Solubility in Water: 1 g/15 ml @ 20 °C;

82.8 g/l @25 °C

# 10. STABILITY AND REACTIVITY

### Reactivity

Contact of phenol with peroxodisulfuric acid may cause explosion

The combination of phenol with acetaldehyde results in violent condensaton

The combination of phenol with 1,3-butadiene, and born trifluoride diethyl ether complex results in an intense exothermic reaction

The combination of phenol with isocyanates results in heat generation and violent polymerization

The combination of phenol with nitrides results in heat and flammable gas generation

Violent reaction with aluminum chloride and nitromethane at 110 deg. C.

Hot phenol reacts with metals

A combination of phenol with mineral oxidizing acids results in fire

Violent reaction with phenol and aluminum chloride + nitrobenzene at 120 deg. C.

Potential for an explosive reacton exists when phenol comes into contact with formaldehyde or sodium nitrate + trifluoroacetic acid

Mixtures of air and 3-10% phenol are explosive

Phenol + sodiuim nitrite causes explosion on heating

When heated, phenol evolves flammable vapors which will form explosive mixtures with air

Phenol + calcium hypochlorite results in an exothermic reaction producing toxic fumes which may ignite

### **Chemical stability**

**Stability:** Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

<u>Conditions to avoid:</u> Heat. Ignition sources. Exposure to light. Turns pink or red on exposure to light.

Exposure to air. Exposure to moisture. Incompatible materials.

Incompatible Materials: Oxidizing agents

Metals Acids Bases isocyanates nitrides Acetaldehyde amides

Formaldehyde aliphatic amines

**Hazardous decomposition** 

products:

Carbon monoxide. Carbon dioxide.

Other Information

Corrosivity: Severe corrosive effect on Brass

Minor corrosive effect on bronze

Special Remarks on Corrosivity: No information available

## 11. TOXICOLOGICAL INFORMATION

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### Information on likely routes of exposure

### **Principal Routes of Exposure:**

Ingestion. Inhalation. Skin.

### **Acute Toxicity**

### **Component Information**

Phenol

CAS-No.

108-95-2

LD50/oral/rat = 340 mg/kg Oral LD50 Rat; 317 mg/kg Oral LD50 Rat

LD50/oral/mouse = 270 mg/kg

LD50/dermal/rabbit = 630 mg/kg Dermal LD50 Rabbit

**LD50/dermal/rat** = 669 mg/kg; 525 mg/kg **LC50/inhalation/rat** = 316 mg/m<sup>3</sup> 4 h

LC50/inhalation/mouse = No information available

Other LD50 or LC50information = No information available

#### **Product Information**

LD50/oral/rat =

VALUE- Acute Tox Oral = 317 mg/kg

LD50/oral/mouse =

Value - Acute Tox Oral = 270 mg/kg

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = 630 mg/kg

LD50/dermal/rat

VALUE -Acute Tox Dermal = 525 mg/kg

LC50/inhalation/rat

VALUE-Vapor = 0.32 mg/l (4-hr)

**VALUE-Gas** = No information available

**VALUE-Dust/Mist** = No information available

### LC50/Inhalation/mouse

**VALUE-Vapor** = No information available

**VALUE - Gas =** No information available

**VALUE - Dust/Mist =** No information available

#### **Symptoms**

Skin Contact:

Causes skin burns. Phenol burns may be severe, but painless due to damage to the nerve endings causing numbness. The skin may turn white and opaque or dull gray and wrinkled. Later, it may turn gray-white or yellowish brown and may be deeply eroded and scarred. Black Gangrene may occur at the sight of contact. It may be absorbed through the skin. If absorbed through skin it may cause systemic effects. Toxic in contact with skin. If absorbed through the skin it may affect behavior/central nervous system and cause central nervous system effects. If absorbed through the skin, it may affect the liver and kidneys (nephritis,

hematuria) and may induce cardiac arrhythmias.

Eye Contact: Causes eye burns. Corrosive to the eyes and may cause severe damage including

blindness.

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#### Inhalation

Severely irritating to the upper respiratory tract. It can irritate the lungs. It may cause pulmonary edema. Can cause dyspnea (shortness of breath and difficulty breathing). May affect respiration (respiratory depression). May affect behavior/central nervous system (somnolence). Inhalation of large amounts of vapor may be fatal. Volatility is low at room temperature, but hazard increases as temperature rises. Harmful contamination of the air will be reached rather slowly on evaporation of this substance at 20 deg. C. Inhalation of large quantities can cause system effects similar to that of ingestion.

### Ingestion

Harmful if swallowed. Causes digestive or gastrointestinal tract burns. Corrosive to the mouth, throat, and stomach. There is burning pain in the mouth and throat as well as white necrotic lesions in the mouth, esophagus and stomach. Ingestion may cause nausea, vomiting, diarrhea. May cause loss of appetite. May cause abdominal pain. May cause gastrointestinal bleeding. May cause pallor. May cause excessive sweating. May cause hemolytic anemia. May cause metabolic acidosis. May affect the cardiovascular system (hypotension). May cause methemoglobinemia, (the formation of methemoglobin in the blood which causes deficient oxygenation of the blood due to decreased available hemoglobin). Signs and symptoms of methemoglobinemia include shortness of breath, cyanosis (a bluish discoloration of the skin, lips, mucous membranes), mental status changes such as headache, mental impairment, fatique, muscular weakness, exercise intolerance, lightheadedness, dizziness, incoordination, seizures, and loss of consciousness. Arterial blood with elevated methemoglobin levels has a characteristic chocolate-brown color as compared to normal bright red oxygen containing arterial blood. Severe methemoglobinemia is characterized by bradycardia or tachydardia (slow or fast heart beat), dysrhythmias, seizures, coma and death. It may cause central nervous system depression. May affect behavior/central nervous system (convulsions/seizures). May affect behavior/central nervous system (tremors, muscle twitiching). May affect behavior/central nervous system (dizziness, headache). May affect behavior/central nervous system (hallucinations, drowsiness, nervousness, twitching, delirium). May affect respiration (dyspnea - difficulty breathing and shortness of breath). May affect respiration (tachypnea (rapid breathing)). May cause tinnitus. May cause pupillary dilation. May affect eyes (pinpoint pupils). May cause dim vision. May affect urinary system (kidneys). May affect liver.

### **Aspiration hazard**

No information available.

# Delayed and immediate effects as well as chronic effects from short and long-term exposure

### **Chronic Toxicity**

Prolonged or repeated inhalation may cause bronchitis with coughing, phlegm, and/or shortness of breath. Prolonged or repeated ingestion may affect the liver, and kidneys. Prolonged or repeated ingestion may affect the liver (jaundice, liver function tests impaired). Prolonged or repeated ingestion may affect the blood (changes in red blood cell count). Prolonged or repeated ingestion may affect behavior/central nervous system. Prolonged or repeated ingestion may affect the cardiovascular system. Prolonged or repeated ingestion may affect the brain. Prolonged or repeated inhalation may affect the liver. Prolonged or repeated inhalation may affect the kidneys. Prolonged or repeated inhalation may affect the cardiovascular system. Prolonged or repeated ingestion may affect the blood (anemia). Prolonged or repeated inhalation may affect the blood (changes in serum composition). Signs and symptoms of chronic inhalation exposure may include headache, cough, weakness, fatigue, anorexia, vomiting, insomnia, nervousness, weight loss, paresthesia, ochronosis, and albuminuria. Other signs and symptoms of chronic exposure to phenol include vertigo, muscle aches and weakness, dark urine, nephritis, and hepatitis.

**Sensitization:** No information available.

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Mutagenic Effects: Suspected of causing genetic defects

Animal experiments showed mutagenic effects Mutagenic effects in mammalian somatic cells

Experiments with human lymphocytes have shown mutagenic effects Experiments with animal lymphocytes have shown mutagenic effects

Mutations in microorganisms

Experiments with bacteria and/or yeast have shown mutagenic effects

Carcinogenic effects: Not classifiable as to its carcinogenicity to humans. Not classifiable as a human

carcinogen.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Phenol	108-95-2	Classifiable - Monograph 71	A4 Not Classifiable as a Human Carcinogen	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

A4 - Not Classifiable as a Human Carcinogen

IARC (International Agency for Research on Cancer) Group 3 - Not classifiable as to its carcinogenicity to humans

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: No information on reproductive toxicity effects on humans was found

**Developmental Effects:** There is limited evidence that Phenol may damage the developing fetus in animals

No information on developmental toxicity effects on humans was found

Teratogenic Effects: No information available

**Specific Target Organ Toxicity** 

STOT - single exposure

STOT - repeated exposure

**Target Organs:** 

No information available.

May cause damage to organs through prolonged or repeated exposure. Central nervous system. Cardiovascular system. Heart. Kidneys. Liver. Eyes.

Skin. Respiratory system. Lungs. Blood. Methemoglobin formation.

# 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

**Ecotoxicity effects:** Aquatic environment.

Phenol - 108-95-2

Freshwater Algae Data: 46.42 mg/L EC50 Pseudokirchneriella subcapitata 96 h 0.0188 - 0.1044 mg/L

EC50 Pseudokirchneriella subcapitata 96 h 187 - 279 mg/L EC50 Desmodesmus

subspicatus 72 h

Freshwater Fish Species Data: 11.9 - 50.5 mg/L LC50 Pimephales promelas 96 h flow-through 1 20.5 - 25.6 mg/L

LC50 Pimephales promelas 96 h static 1 32 mg/L LC50 Pimephales promelas 96 h 1 5.449 - 6.789 mg/L LC50 Oncorhynchus mykiss 96 h flow-through 1 7.5 - 14

mg/L LC50 Oncorhynchus mykiss 96 h static 1 4.23 - 7.49 mg/L LC50 Oncorhynchus mykiss 96 h semi-static 1 11.9 - 25.3 mg/L LC50 Lepomis macrochirus 96 h flow-through 1 11.5 mg/L LC50 Lepomis macrochirus 96 h

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semi-static 1 34.09 - 47.64 mg/L LC50 Poecilia reticulata 96 h static 1 31 mg/L LC50 Poecilia reticulata 96 h semi-static 1 27.8 mg/L LC50 Brachydanio rerio 96 h 1 0.00175 mg/L LC50 Cyprinus carpio 96 h semi-static 1 33.9 - 43.3 mg/L LC50 Oryzias latipes 96 h flow-through 1 23.4 - 36.6 mg/L LC50 Oryzias latipes 96 h static 1 5.0 - 12.0 mg/L LC50 Oncorhynchus mykiss 96 h 1 13.5 mg/L LC50

Lepomis macrochirus 96 h static 1

Water Flea Data: 4.24 - 10.7 mg/L EC50 Daphnia magna 48 h 10.2 - 15.5 mg/L EC50 Daphnia

magna 48 h

Persistence and degradability: No information available

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

### 13. DISPOSAL CONSIDERATIONS

# **Disposal Methods**

### Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

### Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Phenol	108-95-2	None	None	None	U188

### 14. TRANSPORT INFORMATION

DOT

UN-No: UN1671
Proper Shipping Name: Phenol, solid

Hazard Class: 6.

Subsidiary Class No information available

Packing group:

Emergency Response Guide No information available

Number

Marine PollutantNo data availableDOT RQ (lbs):No information availableSpecial ProvisionsNo Information available

Symbol(s): [DOT]: (+) - Fixes the proper shipping name, hazard class and packing group for

that entry without regard to whether the material meets the definition of that class, packing group or any other hazard class. [DOT]: (R4) - Identifies a material that is a hazardous substance that has a reportable quantity (RQ) of 1000 pounds (454)

Kilograms).

**Description:** UN1671,Phenol, solid ,6.1,,PG II

TDG (Canada)

UN-No: UN1671
Proper Shipping Name: Phenol, solid

Hazard Class: 6.1

Subsidiary Risk: No information available

Packing Group:

Marine Pollutant No Information available

**Description:** PHENOL, SOLID,6.1,UN1671,PG II

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ADR

UN-No: UN1671
Proper Shipping Name: Phenol, solid

Hazard Class: 6.1
Packing Group: II

Subsidiary Risk: No information available Description: UN1671 Phenol, solid,6.1,II

**IMO / IMDG** 

UN-No: UN1671
Proper Shipping Name: Phenol, solid

Hazard Class: 6.1

Subsidiary Risk: No information available

Packing Group:

Marine Pollutant No information available

EMS: F-A

**RID** 

UN-No: UN1671
Proper Shipping Name: Phenol, solid

Hazard Class: 6.1
Subsidiary Risk: 6.1
Packing Group: II

**Description:** UN1671 Phenol, solid,6.1,II,RID

**ICAO** 

UN-No: UN1671
Proper Shipping Name: UN1671
Phenol, solid

Hazard Class: 6.1

Subsidiary Risk: No information available

Packing Group:

**Description:** Phenol, solid,6.1,UN1671,PG II

IATA

UN-No: UN1671
Proper Shipping Name: Phenol, solid

Hazard Class: 6.1

Subsidiary Risk: No information available

Packing Group: II ERG Code: 6L

**Special Provisions** No information available

**Description:** UN1671,Phenol, solid,6.1,PG II

# 15. REGULATORY INFORMATION

### **International Inventories**

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Phenol	108-95-2	PresentACTIV	Present	Present	Present	Present	Present	Present
		E	KE-28209		(3)-481			203-632-7

### **U.S. Regulations**

Phenol

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 1487

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New Jersey (EHS) List: 1487 500 lb TPQ

New Jersey - Discharge Prevention - List of Hazardous Substances: Present

Pennsylvania RTK: Environmental hazard

Pennsylvania RTK - Environmental Hazard List Present Minnesota - Hazardous Substance List: Present

New York Release Reporting - List of Hazardous Substances:

1000 lb RQ 1 lb RQ

Louisana Reportable Quantity List for Pollutants: 1000lbfinal RQ

454kgfinal RQ

California Directors List of Hazardous Substances: Present

FDA - 21 CFR - Total Food Additives 175.105, 175.300, 175.380, 175.390, 176.170, 177.1210, 177.1580, 177.2410, 177.2600

### California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

### Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

### Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male	Female
				Reproductive	Reproductive
				Toxicity	Toxicity:
Phenol	108-95-2	Not Listed	Not Listed	Not Listed	Not Listed

#### **CERCLA/SARA**

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Phenol	108-95-2		1000 lb EPCRA RQ	None		1.0 % de minimis concentration

## U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals	TSCA 8(d) -Health and Safety
		With Significant New Use Rules	Reporting
		(SNURS)	
Phenol	108-95-2	Not Applicable	Not Applicable

#### Canada

#### WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component Phenol

108-95-2 (100)

WHMIS 2015 Hazard Classification

Acute toxicity - Oral - Category 4: H302 Harmful if swallowed.; Acute toxicity - Dermal - Category 3: H311 Toxic in contact with skin.; Acute toxicity - Inhalation - Category 1: H330 Fatal if inhaled.; Health Hazard Not Otherwise Classified - Category 1: Causes severe damage to the respiratory tract; Skin corrosion/irritation - Category 1: H314 Causes severe skin burns and eye damage.; Serious Eye Damage/Eye Irritation - Category 1: H318 Causes serious eye damage.; Specific target organ toxicity - Single exposure - Category 1: H370 Causes damage to organs.: Specific target organ toxicity - Repeated exposure -Category 2: H373 May cause damage to organs through prolonged or repeated exposure.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

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Components	WHMIS Ingredient Disclosure List -
Phenol	1 %

# Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)	
Phenol	108-95-2	Present	Not Listed	

Components	CAS-No.	CEPA Schedule I - Toxic Substances	
Phenol	108-95-2	Not listed	
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject	
		to Mandatory Reporting	
Phenol	108-95-2	Not listed	

# **EU Classification**

# EU GHS - SV - CLP 1272/2008

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Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Phenol	108-95-2	Acute toxicity - Oral - Acute Tox. 3:
		H301 Toxic if swallowed. (Minimum
		classification); Acute toxicity - Dermal -
		Acute Tox. 3: H311 Toxic in contact
		with skin. (Minimum classification);
		Acute toxicity - Inhalation - Acute Tox.
		3: H331 Toxic if inhaled. (Minimum
		classification); Skin corrosion/irritation
		- Skin Corr. 1B: H314 Causes severe
		skin burns and eye damage. (C >= 3
		%; Concentration limits for acute
		toxicity cannot be translated into GHS
		from the DSD especially when
		minimum classifications are given);
		Germ cell mutagenicity - Muta. 2:
		H341 Suspected of causing genetic
		defects.; Specific target organ toxicity -
		Repeated exposure - STOT RE 2:
		H373 May cause damage to organs
		through prolonged or repeated
		exposure. (Minimum classification; No
		information to prove exclusion of
		certain routes of
		exposure)604-001-00-2
		Skin corrosion/irritation - Skin Corr.
		1B: H314 Causes severe skin burns
		and eye damage. (C >= 3 %;
		Concentration limits for acute toxicity
		cannot be translated into GHS from
		the DSD especially when minimum
		classifications are given); Skin
		corrosion/irritation - Skin Irrit. 2: H315
		Causes skin irritation. (1 % <= C <3 %
		Concentration limits for acute toxicity
		cannot be translated into GHS from
		the DSD especially when minimum
		classifications are given); Serious Eye
		Damage/Eye Irritation - Eye Irrit. 2:
		H319 Causes serious eye irritation. (1
		% <= C <3 %; Concentration limits for
		acute toxicity cannot be translated into
		GHS from the DSD especially when
		minimum classifications are

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given)604-001-00-2

### EU - CLP (1272/2008)

### R-phrase(s)

R34 - Causes burns.

R68 - Possible risk of irreversible effects.

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.

R48/20/21/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

# S -phrase(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 - After contact with skin, wash immediately with plenty of water

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 1/2 - Keep locked up and out of the reach of children.

S24/25 - Avoid contact with skin and eves.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Phenol	108-95-2	T; R23/24/25 C; R34 Xn; R48/20/21/22 Muta.Cat.3; R68	10%<=C T; R23/24/25 3%<=C<10% Xn; R20/21/22 3%<=C C; R34 1%<=C<3% Xi; R36/38	S: (1/2)-24/25-26-28-36/3 7/39

The product is classified in accordance with Annex VI to Directive 67/548/EEC

### Indication of danger:

T - Toxic

Xn - Harmful.

C - Corrosive.







## **16. OTHER INFORMATION**

**Preparation Date:** 11/06/2013 **Revision Date:** 8/27/2018 Sonia Owen Prepared by:

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages.

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**End of Safety Data Sheet** 

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