



Issuing Date 06/04/10

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Phenol, Saturated Solution
Product Code(s) 0945
UN-No 2821

Distributor
 AMRESO INC.
 6681 Cochran Road
 SOLON, OHIO 44139

Company Phone Number 1-800-829-2805
Emergency Telephone Number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Highly toxic
 Corrosive
 Combustible

Appearance Clear, Two-Layer

Physical State Liquid

Odor Phenolic, Medicinal

Potential Health Effects

Acute Toxicity

Eyes Corrosive.
Skin Very toxic in contact with skin. Corrosive, causes burns. readily absorbed through skin.
Inhalation Very toxic by inhalation. corrosive ,causes burns.
Ingestion Very toxic if swallowed. Corrosive, causes burns.

Chronic Effects No known effect based on information supplied.

Aggravated Medical Conditions None known.

Environmental Hazard See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Phenol	108-95-2	95-100

4. FIRST AID MEASURES

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact	Wash skin with soap and water.
Inhalation	Move to fresh air. If breathing becomes difficult, give oxygen.
Ingestion	Clean mouth with water and afterwards drink plenty of water.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties	combustible liquid.			
Flash Point	Not determined			
Suitable Extinguishing Media	Dry chemical, CO2, water spray or regular foam.			
Hazardous Combustion Products	Carbon oxides			
Explosion Data				
Sensitivity to Mechanical Impact	Not sensitive.			
Sensitivity to Static Discharge	Not sensitive.			
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.			
NFPA	Health Hazard -	Flammability -	Stability -	Physical and Chemical Hazards -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Cover with dry lime or soda ash. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Light Sensitive.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from light.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phenol 108-95-2	TWA: 5 ppm	TWA: 19 mg/m ³ TWA: 5 ppm (vacated) TWA: 19 mg/m ³ (vacated) TWA: 5 ppm Skin	IDLH: 250 ppm Ceiling: 15.6 ppm Ceiling: 60 mg/m ³ TWA: 19 mg/m ³ TWA: 5 ppm

Engineering Measures	Showers Eyewash stations Ventilation systems.
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Personal Protective Equipment**Eye/Face Protection**

Tightly fitting safety goggles.

Skin and Body Protection

Wear protective gloves/clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Two-Layer	Odor	Phenolic, Medicinal
Physical State	Liquid		
Flash Point	No information available	Autoignition Temperature	No information available
Boiling Point/Range	No information available	Flammability Limits in Air	No information available
Explosion Limits	No information available		
Solubility	No information available	Evaporation Rate	No information available
Vapor Density	No information available.		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible Products	Strong oxidizing agents. Strong acids. Strong bases.
Conditions to Avoid	Protect from light.
Hazardous Decomposition Products	Carbon oxides.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information Very toxic by inhalation, in contact with skin, or if swallowed. Corrosive, causes burns.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phenol	317 mg/kg (Rat)	525 mg/kg (Rat) 630 mg/kg (Rabbit)	316 mg/m ³ (Rat) 4 h

Chronic Toxicity

Target Organ Effects Kidney, Liver, Central nervous system (CNS)

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Phenol	EC50 = 150 mg/L 96 h	LC50 5 - 12 mg/L Oncorhynchus mykiss 96 h LC50= 23.88 mg/L Lepomis macrochirus 96 h LC50= 24 mg/L Pimephales promelas 96 h LC50= 27.8 mg/L Brachydanio rerio 96 h LC50= 40 mg/L Poecilia reticulata 96 h LC50= 8.9 mg/L Oncorhynchus mykiss 96 h	EC50 21 - 36 mg/L 30 min EC50 = 23.28 mg/L 5 min EC50 = 25.61 mg/L 15 min EC50 = 28.8 mg/L 5 min EC50 = 31.6 mg/L 15 min	LC50 = 13 mg/L 48 h EC50 = 23.0 mg/L 48 h

Chemical Name	Log Pow
Phenol	= 1.47

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of material in accordance with all federal, state, and local regulations.

Contaminated Packaging Dispose of in accordance with all federal, state and local regulations.

Chemical Name
Phenol - 108-95-2

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - U Series Wastes
Phenol - 108-95-2					U188

Chemical Name	California Hazardous Waste Status
Phenol	Toxic; Corrosive

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name PHENOL SOLUTION
Hazard Class 6.1
UN-No 2821
Packing Group II

IATA
UN-No 2821
Proper Shipping Name PHENOL SOLUTION
Hazard Class 6.1
Packing Group II

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL Complies
EINECS/ELINCS Complies

ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Phenol	108-95-2	95-100	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phenol 108-95-2 (95-100)	1000 lb	X	X	X

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act.:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Phenol	108-95-2	95-100	Present	Group III		

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Phenol	1000 lb	1000 lb

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Phenol	X	X	X	X	X

International Regulations

Mexico - Grade -

Chemical Name	Carcinogen Status	Exposure Limits
Phenol		Mexico: TWA= 19 mg/m ³ Mexico: TWA= 5 ppm Mexico: STEL= 38 mg/m ³ Mexico: STEL= 10 ppm

Canada

WHMIS Hazard Class

Not determined

Chemical Name	NPRI
Phenol	X

16. OTHER INFORMATION

Issuing Date 06/04/10

Revision Date

Revision Note No information available.

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS