



MSDS ID: MI1622
HYDRITE NAME: PHENOL 90%
DATE: 01/23/2008



BLUE ISLAND PHENOL LLC

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PHENOL 90%

Product: US415

Revision date: 2008/01/23

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Not available.

Supplier: JLM Marketing, Inc.
8675 Hidden Parkway
Tampa, FL 33637
Phone: 813-632-3300
Fax: 813-632-3301.

Manufacturer emergency phone number: Chemtrec 800-424-9300 (24h).

Section 2 : INGREDIENT INFORMATION

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
108-95-2	90	PHENOL	5 PPM (SKIN)	317 MG-KG RAT ORAL 669 MG-KG RAT DERMAL 270 MG-KG MOUSE ORAL 630 MG-KG RABBIT DERMAL	316 MG-M3 RAT INHALATION 177 MG-M3 MOUSE INHALATION

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
This product contains 10% water (CAS# 7732-18-5).

Section 3 : HAZARD IDENTIFICATION

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Effects of acute exposure

Eye contact: May cause tearing and redness.
May cause blindness.
May cause photophobia.
May cause corneal damage.
May cause severe irritation.
May cause burns.
May cause swelling.

Skin contact: May be toxic, if absorbed through skin.
May cause skin irritation.
May cause burns.
See inhalation effects.

Inhalation: May cause coughing.
May cause coma.
May cause irritation.
May cause loss of consciousness and be fatal.
May cause damage to the respiratory system.
May cause choking sensation.
May cause breathing difficulty.
May cause convulsions.
May cause soreness of the throat.
May cause burning sensation.

Ingestion: May cause headache and nausea.
May cause burns of the mouth, esophagus and stomach.
May cause collapse.
May cause abdominal pain.
Vomiting and bloody diarrhea may result.
May cause muscle weakness and fatigue.
May be toxic.

Effects of chronic exposure: May cause nervous system damage.
May cause lung damage.
May cause dermatitis.
May cause liver and kidney damage.
Pre-existing skin and respiratory disorders may be more susceptible to the effects of exposure to this material.
May cause loss of appetite.

Carcinogenic effects: Not listed as a carcinogen.

Section 4 : FIRST AID MEASURES

Skin contact: Obtain medical attention.
Immediately flush skin with plenty of water and soap for 15 minutes while removing contaminated clothing and shoes.
Apply undiluted solution of polyethylene glycol (PEG) until treatment.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes.
Get medical attention immediately.

Inhalation: Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.
If breathing is difficult, administer oxygen.

Ingestion: Do not induce vomiting. Gently wipe out inside of mouth to remove any residual material. Seek immediate medical attention.
Never give anything by mouth to an unconscious person.
If conscious, give 1 or 2 glasses of water or milk.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 5 : FIRE FIGHTING MEASURES

Flammability: Combustible.

Conditions of flammability: Vapours may travel to a source of ignition and flash back.
Heat, sparks and open flames.

Extinguishing media: Carbon dioxide, dry chemical, foam.
Water spray.

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.
Use water spray to cool fire exposed containers.

Auto-ignition temperature (°C): Not available.

Flash point (°C), method: Closed Cup.
77.7

**Lower flammability
limit (% vol):** 1.7

**Upper flammability
limit (% vol):** 8.6

Explosion Data

Sensitivity to static discharge: Take precautionary measures against static discharge.

Sensitivity to mechanical impact: Not available.

Hazardous combustion products: Oxides of carbon (COx).
Nitrogen oxides (NOx).
Phenol.
Toxic fumes.

Rate of burning: Not available.

Explosive power: Not available.

Section 6 : ACCIDENTAL RELEASE MEASURES

Leak/Spill: Evacuate all non-essential personnel.
Prevent entry into drains, sewers, and other waterways.
Wear appropriate protective equipment.
Allow molten spill to solidify.
Ground handling equipment.
Stay upwind.
Ventilate. Eliminate all sources of ignition.
Flush residue with water.
Containers must be labelled.
Place in steel containers.
Neutralize with sodium hydroxide solution.

Section 7 : HANDLING AND STORAGE

Handling procedures and equipment: Avoid smoking, drinking, or eating during use.
Keep away from heat, sparks, and open flame.
Avoid breathing vapors/mists.
Use adequate ventilation.
Wash thoroughly after handling.
Discard contaminated shoes and leather articles.
Use proper grounding procedures.
Avoid contact with skin, eyes and clothing.
Wear suitable protective clothing.
Launder contaminated clothing prior to reuse.

Storage requirements: Store away from incompatible materials.
Keep containers closed when not in use.
Keep away from ignition sources.
Store away from acids and oxidizing materials.
Outside or detached storage is preferable.
Store in a cool, dry and well ventilated area.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:



Neoprene gloves.
Vinyl gloves.
Polyethylene gloves.
Viton gloves are recommended.

Respiratory/Type:



NIOSH approved respirator for vapours and mists.

Eye/Type:



Splash proof chemical goggles and 8" face shield.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: As required to prevent skin contact.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Local exhaust at points of emission.
General dilution ventilation.

Exposure limit of material: See hazardous ingredients section.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Sweet odour.
Characteristic aromatic odor.
Colourless to pink solution.

Odor threshold (ppm): 0.05 ppm

Vapour pressure (mmHg): 16.55

Vapour density (air=1): (air=1).
1.43

Volatiles (%)

By volume: Not available.

Evaporation rate
(butyl acetate = 1): <0.1

Boiling point (°C): 100

pH: 5.3

Specific gravity @ 20 °C: 1.02

Solubility in water (%): 100

Coefficient of water:oil dist.: Not applicable.

Melting point (°C): -4.0

Section 10 : STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Conditions of instability: Avoid excessive heat, sparks and open flames.

Hazardous polymerization: Will not occur.

Incompatible substances: Aluminum (Al).
Magnesium.
Calcium hypochlorite.
Zinc (Zn).
Sodium nitrate.
Copper (Cu).
Iron (Fe).
Strong oxidizers.
Lead (Pb).
Boron
Peroxyformic acid.
Trifluoride.
(concentrated nitric acid and sulfuric acid).
1,3-butadiene.
Diethyl ether.
Peroxymonosulfuric acid.

Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: See hazardous ingredients section.

LC50 of product, species & route: See hazardous ingredients section.

Sensitization to product: Not available.

Reproductive effects: May affect reproductive system.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 12 : ECOLOGICAL INFORMATION

Environmental toxicity: May be toxic to aquatic life.

Environmental fate: May be harmful to the environment.

Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal: In accordance with municipal, provincial and federal regulations.

Section 14 : TRANSPORT INFORMATION

D.O.T. CLASSIFICATION: PHENOL SOLUTION
UN2821
Class 6.1
PG II



Special shipping information: See transportation information.

Section 15 : REGULATORY INFORMATION

TSCA inventory: The substance(s) which appear in section 2, with CAS numbers, appear on the TSCA inventory list. Balance to be determined.

SARA Section 313: Phenol (108-95-2).

SARA hazard categories sections Immediate (Acute) Health Hazard: Yes.

311/312: Delayed (Chronic) Health Hazard: Yes.

Fire Hazard: Yes.

Reactive: No.

CERCLA reportable quantity: Phenol (108-95-2) - 1000 lbs.

NFPA

Health Hazard: 3

Flammability: 2

Physical hazard: 0

Specific Hazard: Corrosive.

CA Proposition 65: This product contains a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.

Section 16 : OTHER INFORMATION

Data prepared by: Conform-Action Data Systems
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