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Safety Data Sheet

Lacto-Phenol Cotton Blue

Revision Date: 01/17/19

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier — Trade name: Lacto-Phenol Cotton Blue (Parasitology Stain)
Product code(s): 6701-04, 6701-16, 6701-30

1.2 Relevant identified uses — Laboratory Reagent

Supplier: — Astral Diagnostics Inc. / KACEY-828.685.3569
800-441-0366 Technical Service
Monday-Friday: 8:00 -5:00 PM

Synonym: None.
Material uses: Laboratory Reagent.
Validation date: 12/11/2013
In case of emergency: 800-424-9300 CHEMTREC (USA)
24 Hours/Day: 7 Days/Week

2. HAZARDS IDENTIFICATION

Emergency Overview:

2.1 Classification of the substance or mixture

GHS-US Classification

Acute tox. 4- H302, Acute Tox 4-H332, Skin Corr. 1B- H314, Eye Damage 1- H318, Aquatic Chronic 3- H412

2.2 Label elements

GHS-US labeling

Pictograms

Signal Word- Danger

Health Statements

H302+H332 Harmful if swallowed or if inhaled
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H341 Suspected of causing genetic defects
H411 Toxic to aquatic life with long lasting effects

Precautionary Statements
P202 Do not handle until all safety precautions have been read and understood
P260 Do not breath dust/fume/gas/mist/spray
P264 Wash skin thoroughly after handling

2.3 Other hazards
None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% by volume
Water	7732-18-5	balance
Aniline Blue	28631-66-5	<1
Glycerine	55-81-5	40
Phenol	108-95-2	19
Lactic Acid	50-21-5	20

4. 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: *Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.*
First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.
First-aid measures after eye contact: 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.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

5. FIREFIGHTING MEASURES

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

5.2 Special hazards arising from the substance or mixture
No additional information available

5.3 Advice for firefighters
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water form entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Protective equipment: Gloves. Safety glasses. Combined gas/dust mask with filter type B/P3.
Emergency procedures: Evacuate unnecessary personnel.
6.1.2. For emergency responders
Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

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 vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use. Protect from sunlight. Store in a well-ventilated place.

Incompatible products: Strong oxidizers. Strong reducing agents. Strong bases.

Incompatible materials: Sources of ignition. Direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

Component	Source	Type	Value	Note
Phenol Solution	ACGIH	TWA	19 mg/m3, 5 ppm	
	OSHA	PEL (TWA)	19 mg/m3, 5 ppm	
	IDLH	US IDLH	250 ppm	
	NIOSH	REL (TWA)	19 mg/m3, 5 ppm	
	NIOSH	REL (ceiling)	60 mg/m3 15 min	
	NIOSH	REL (ceiling)	15.6 ppm 15 min	
Glycerine	ACGIH	TWA	10 mg/m3	Mist
	OSHA	PEL (TWA)	5 mg/m3	Respirable

Personal protective equipment: Safety glasses. Gloves. Protective clothing. High gas/vapor concentration: gas mask with filter type B.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or face shield.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask. Gas mask with filter type B.

Other information: Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid. **Color:** dark blue

Flash Point: NA
pH: NA
Melting/freezing point: NA
Vapor pressure: NA
Odor threshold: NA
VOC: NA

Odor: None
Boiling/condensation point: NA
Relative density: NA
Vapor density: NA
Evaporation rate: NA
Solubility: Soluble in the following materials: water

10. STABILITY AND REACTIVITY

10.1. Reactivity
No further relevant information available
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
Not established.
10.4. Conditions to avoid
Extremely high or low temperatures.
10.5. Incompatible materials
Strong Oxidizers. Strong bases. metals
10.6. Hazardous decomposition products
Carbon monoxide. Carbon dioxide

11. TOXICOLOGICAL INFORMATION

Water (7732-18-5)
LD50 oral rat ≥ 90000 mg/kg
ATE US (oral) 90000.000 mg/kg body weight

Lactic Acid (50-21-5)
LD50 oral rat 3543 mg/kg
ATE US oral 3543 mg/kg body weight

Phenol (108-95-2)

LD50 oral rat	650 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rat	660 mg/kg (Rat; Experimental value; Equivalent or similar to OECD 402)
LD50 dermal rabbit	850 - 1400 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	0.32 mg/l/4h (Rat; Literature study)
ATE US (oral)	650.000 mg/kg body weight
ATE US (dermal)	660.000 mg/kg body weight
ATE US (vapors)	0.320 mg/l/4h
ATE US (dust, mist)	0.320 mg/l/4h

Skin corrosion/irritation: Not Classified
Serious eye damage/irritation: Not Classified
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not Classified

12. ECOLOGICAL INFORMATION

Persistence and degradability: no data available
Bioaccumulative potential: no data available
Mobility in soil: no data available
PBT and vPvB assessment: no data available

Other adverse effects: no data available

13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT (US)
Un number 2821, 6.1, II
Proper shipping name: PHENOL SOLUTION

IMDG
Un number 2821, 6.1, II EMS-No: F-A, S-A
Proper shipping name: PHENOL SOLUTION

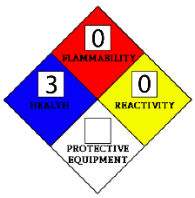
IATA
Un number 2821, 6.1, II
Proper shipping name: PHENOL SOLUTION

15. REGULATORY INFORMATION

15.1 US Federal Regulations
Phenol
SARA 311/312 Hazards: Acute health hazard, chronic health hazard
15.2 International Regulations (WHMIS Classifications)
items listed on the Canadian DSL
15.3 California Proposition 65
This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

16. OTHER INFORMATION

National Fire Protection Association (U.S.A.)



Notice to reader
This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries makes any warranty of merchantability or any other warranty, expressed or implied, which respect to such information, and we assume no liability resulting from its use. In no event shall Astral Diagnostics, Inc / KACEY be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages resulting from use of or reliance upon this information.