

Phenolphthalein Kit

Safety Data Sheet

SDS No. 302/301

Issued: June 1, 2018

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Safety Glasses
Gloves
Vapor Respirator



Section 1 – Chemical Product and Company Information

Product/Chemical Name: Phenolphthalein Presumptive Blood Kit

Chemical Formula: N/A

CAS Number: N/A

Manufacturer: DfS Doje's Forensic Supplies, Inc.

Emergency Telephone: 1-800-535-5035

Section 2 – Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt./ Volume
Denatured Alcohol (Bottle #1)	64-17-5	100%
Water (Bottle#2)		99%
Phenolphthalein (Bottle #2)	N/A	
Zinc (Bottle #2)	7440-66-6	.20%
Sodium Hydroxide (Bottle #2)	1310-73-2	0.80%
Hydrogen Peroxide (Bottle #3)	7722-84-1	100%

Trace Impurities:

Ingredients	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Denatured Alcohol	260 ppm		260 ppm				
Water	N/A		N/A		N/A		
Phenolphthalein	Not Established						
Zinc	Not Established						
Sodium Hydroxide	2 mg/M3		2 mg/M3				
Hydrogen Peroxide	1 ppm		1 ppm				



Section 3 - Hazard Identification:

Potential Effects:

Primary Entry Routes: Inhalation, Ingestion or Absorption through skin.

Potential Acute Effects: Eyes, Skin or Respiratory irritation, Difficulty Breathing, Lightheadedness.

Inhalation: Remove to fresh air, administer Oxygen, contact physician.

Eye: Flush with cool tap water for 15 minutes.

Skin: Wash thoroughly with warm water.

Ingestion: Drink Large amounts of Water, do NOT induce vomiting.

Chronic Effects: Carcinogenicity: N/A

Mutagenic Effects: N/A

LABEL PRECAUTIONARY STATEMENTS: (Bottle #1) FLAMMABLE (BOTTLE #3) Irritant (Oxidizer)

Section 4 – First Aid Measures:

Inhalation: Remove to fresh air, if distress continues, administer oxygen and contact physician

Eye contact: Flush with cool tap water for at least 15 minutes. If irritation continues, seek medical attention.

Skin contact: Wash thoroughly with warm water. If irritation or rash develops, contact physician.

Ingestion: Drink large quantities of water. Do NOT induce vomiting.

In all cases, if irritation or distress persists, contact physician or nearest poison control center!

Section 5: Fire Fighting Measures:

Flammability of Product: (Bottle #1) Flammable % by volume in air – lower: 6%, upper: 36%

Extinguishing Media: Carbon Dioxide, dry chemical, water mist

Fire-Fighting Instructions: Wear self-contained breathing apparatus and protective clothing.

Explosion Hazards in Presence of Various Substances: Emits Toxic Fumes under fire conditions.

Hazardous Combustion Products: Denatured Alcohol

Section 6 – Accidental Release Measures:

Leak or Spill Clean-up: Eliminate source of ignition. Wear protective equipment. For small spills absorb with paper towels. Evaporate in fuming hood. Burn absorbed material in incinerator. If dry, minimize dust spread.

Disposal: Dispose of in accordance with current Federal, State and Local guidelines.

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Section 7 – Handling and Storage:

Handling Precautions: Avoid high temperatures and source of ignition. Avoid strong oxidizing agents, strong acids and strong bases. Carbon dioxide and Carbon Monoxide emitted upon combustion.

Storage Requirements: Store complete Kit in cool/dark conditions. (Bottle #2) or Light Sensitive. Store as Flammable or Combustible material.

Regulatory Requirements: Requires control in multiples under 49CFR as “Chemical Kit”

Section 8 – Exposure Controls / Personal Protection:

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Engineering Controls: Wear Protective Equipment at all times during use.

Ventilation: Room ventilation normally adequate except during spills or fire.

Administrative Controls: May be required.

Protective Clothing and Equipment: NIOSHA/MSHA approved Organic Vapor Respirator. Chemical resistant Gloves, Eye Splash Protection.

Safety Stations: Eye Wash Station and Safety Shower should be readily available.

Contaminated Equipment: Decontaminate with volumes of water or disinfectants.

Section 9 – Physical and Chemical Properties:

Physical State:

Appearance: Clear colored liquids, mild odor

Odor: Mild Alcohol

pH: 0.971 (Alcohol), 1.09 (H₂O₂) evaporate rate: High (Alcohol)

Water Solubility: 90%

Boiling Point: 64.7C Alcohol, 100C H₂O₂

Melting Point: N/A

Section 10 – Stability and Reactivity:

Stability: Stable

Conditions of Instability: High Temperatures, source of ignition and open flames.

Chemical Incompatibilities: Strong Oxidizing Agents, Strong Acids, Strong Bases.

Conditions to avoid: Sources of Ignition and Open Flames. ***Sensitive to light and air!***

Hazardous Combustion or Decomposition Products: Auto Ignition: 725C – Flashpoint: 52C

Section 11 – Toxicological Information:

Alcohol:

Routes of entry:

Eyes; Irritation

Skin: Irritation or rash

Inhalation: Irritation, Difficulty Breathing

Ingestion: Digestive Irritation

Hydrogen Peroxide:

Routes of Entry:

Eyes: Irritation

Skin: Irritation or Rash

Inhalation: Irritation, Difficulty Breathing

Ingestion: Digestive Irritation

Acute Effects:\

LD: Eye Irritation and Respiratory Irritation

Carcinogenicity: None

Mutagenicity: N/A

Teratogenicity: N/A

Section 12 – Ecological Information:

Environmental Degradation: No Hazard. Dispose of in accordance with Federal, State and Local codes or Regulations.
Soil Absorption: N/A Zinc traces could ignite!

Section 13 – Disposal Considerations:

Disposal: Consult your local and regional authorities.
Disposal Regulatory Requirements: N/A

Section 14 – Transport Information:

DOT Transportation Data: (49 CFR 172.101): ORM-D / Multiple Kits “CHEMICAL KIT” Placard.

Section 15 – Regulatory Information:

Follow Federal and State Regulations.

Section 16 – Other Information:

The above information is believed to be correct as of the effective date, but does not purport to be all inclusive and shall only be used as a guide. This information is provided without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with Federal, State and Local Laws and regulations. DfS, Doje’s Forensic Supplies, Incorporated shall NOT be held liable for any damage resulting from handling or from contact with the above product.

