Coral Clinical Systems

Plot No. M – 46, Phase III B, Verna Ind. Estate,
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Material Safety Data Sheet

1. Product Identification

Product Name : **Hemospot Kit (Standard Guaiac Method)**

Catalog Number : HS 1050 / HS 1100

2. Composition / Information on Hazardous Ingredients

Chemical Name	CAS #	% W/V	Exposure Limits in Air				
			ACGIH		OSHA		OTHER
			TLV	STEL	PEL	STEL	

Reagent 1: N/A.

Reagent 2: Developer Solution

Ethanol	64-17-5	77%	1000PPM	N/A	1000PPM	N / A	N/A
Toluene	108-88-3	5%	50PPM	N/A	200 PPM	N/A	N/A
Hydrogen Peroxide	7722-84-1	15%	1PPM	N/A	1 PPM	N/A	NIOSH: 1 PPM IDLH

Reagent 3: N/A

Reagent 4: N/A

Reagent 5: N/A

3. Hazard Identification

Primary Routes of Entry:
Inhalation, ingestion and eye contact.

Inhalation:
Ethanol: May cause suffocation on inhaling. **Hydrogen Peroxide**: Harmful if inhaled. May cause irritation of respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. **Toluene**: Headache, dizziness, anesthesia, drowsiness, and unconsciousness.

Skin Contact:
Hydrogen Peroxide: Causes skin burns. **Toluene**: May cause mild irritation.

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Ingestion:
Ethanol: Ingestion of this chemical in large quantities may cause unconsciousness and vomiting. **Hydrogen Peroxide**: May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. May cause perforation of the digestive tract, irritation with abdominal pain, nausea, vomiting and diarrhea. **Toluene**: Small amounts aspirated into lungs may cause mild to severe pulmonary injury.

Eye Contact:
Ethanol: May cause mild irritation. **Hydrogen Peroxide**: Causes eye burns. Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. **Toluene**: causes irritation to eyes.

Chronic Exposure:
Hydrogen Peroxide: Prolonged or repeated skin contact may cause dermatitis.

Medical Conditions Aggravated by Exposure:
Existing dermatitis.

Health Effects:
Adverse health effects are not expected from the recommended use of this product.

4. First Aid Measures

Inhalation:
Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get medical aid immediately. DO NOT use mouth to mouth respiration.

Ingestion:
Do not induce vomiting. If victim is conscious and alert, give 2 – 4 cupfuls of milk or water. Never give anything by mouth to an unconscious person.

Skin Contact:
Flush skin with the plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately.

Eye Contact:
Immediately flush eye(s) with large volume of water for atleast 15 minutes, occasionally lifting the lower lids. Get medical attention immediately.

5. Fire Fighting Measures

Flash Point (Method used): N/A **Flammable Limits – LEL:** N/A **UEL:** N/A

Extinguishing Media:
Do not get water inside containers. Cool containers with flooding quantities of water until well after fire is out. For small fires do not use dry chemicals, carbon dioxide, halon or foams. Use water only.

Special Fire Fighting Procedures:
Structural firefighting gear and self-contained breathing apparatus will provide adequate protection if this product is in a fire area.

Unusual Fire and Explosion Hazards:
Ethanol is highly inflammable and is likely to catch fire

6. Accidental Release Measures

Steps to be taken in case material is Released or Spilled:
Use an absorbent material to contain / pick up the spilled solution. Place all spill residue into a suitable container, seal, label and hold for disposal.

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7. Handling and Storage

Refer to packet insert for additional information on handling and storage procedures.

8. Exposure Controls and Personal Protection

Ventilation Data:
A system of local and / or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

Respiratory Protection:
Respiratory protection is not required under normal use of this product. If respiratory protection is needed, follow OSHA respirator regulations (29CFR1910.134) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide worker protection for given working conditions, level of airborne concentration, and presence of sufficient oxygen.

Protective Gloves:
Wear appropriate protective gloves.

Other Protective Equipment:
Wear appropriate eye protection to prevent eye contact. Wear appropriate body protection to prevent skin contact.

Other Engineering Controls:
Eye wash stations and deluge showers.

Work Practices:
Good laboratory technique should be used when handling this product. Observe appropriate chemical hygiene. Avoid contact with eyes or skin. Do not place in mouth.

Hygienic Practices:
Do not eat, drink, or smoke while working with product. Upon completion of work activities involving this product, wash hands thoroughly with soap and water.

9. Physical And Chemical Properties

For All Components Unless Otherwise Indicated

Relative Vapour density(air = 1) :	N/A	Evaporation rate(nBuAc = 1):	N/A
Specific Gravity (water = 1) :	N/A	Freezing / Melting Point :	N/A
Solubility in Water :	Soluble	Boiling Point :	N/A
Vapour Pressure, mm Hg @ 20°C:	N/A	pH :	N/A

Odour and Appearance Information
Reagent 1: N/A

Reagent 2: Clear, colorless liquid

Reagent 3: reddish color liquid

10. Stability and Reactivity

Incompatibility (Materials to Avoid):
Ethanol & toluene: strong oxidizers, Heat & fire. Hydrogen Peroxide: Acids, bases, brass, copper, bronze, chromium trioxide, iron, silver, zinc.

Hazardous Decomposition Products:
Hydrogen peroxide: Irritating and toxic fumes and gases, oxygen, hydrogen gas.

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Will Hazardous Polymerization Occur?
N/A.

Conditions to Avoid / Polymerization:
N/A

Is the Product Stable?
Hydrogen Peroxide: Decomposes slowly to release oxygen.

Conditions to Avoid/stability
N/A.

11. Toxicological Information

Toxicity Data:
Hydrogen peroxide: inhalation, rat: LC50 = 2 mg/m3 / 4H; Oral, mouse: LD50 = 2 mg/Kg; Skin, rat: LD50 = 4060 mg/Kg.

Reproductive effects:
N/A.

Target organ Effects:
Eye, Skin and nervous system.

Carcinogenicity: No

CHEMICAL NAME	CAS #	% W/V	NTP Carcinogen		IARC	OSHA
			Known	Anticipated		
N/A.						

12. Ecological Information

Environmental Fate / Stability:
N/A

Effect of Material on plants or animals:
N/A

Effect of Chemical on Aquatic Life:
N/A

13. Disposal Considerations

EPA Waste Number and Proper Waste Disposal Method:
Please consult local, state and federal regulations for additional guidance on disposal.

14. Transportation Information

Is this Material Hazardous? Not regulated under transportation regulations.

Proper Shipping Name : N/A		
Hazard Class Number : N/A	Packing Group: N/A	UN Number: N/A

15. Regulatory Information

NA.

16. Other Information

NA => NOT APPLICABLE or NO INFORMATION