

World Precision Instruments, Inc.  
Material Safety Data Sheet  
Version Date: 03/26/2007

<b>Section 1 - Product and Company Information</b>	
Product Name	Phorbol 12-Myristate 13-Acetate
Product Number:	Bottle 5 of SUPERLUMINOL-II Kit
Brand:	WPI Inc.
Company:	WPI Inc.
Address:	175 Sarasota Center Blvd Sarasota, FL 34240
Technical Phone:	941-371-1003
Fax:	941-377-5428
Emergency Phone:	941-371-1003

## Section 2 - Composition/Information on Ingredients

### Section 3 - Hazards Identification

## EMERGENCY OVERVIEW

## HMIS RATING

Health	1
Flammability	0
Reactivity	0

#### Section 4 - First Aid Measures

INHALATION EXPOSURE	If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration
DERMAL EXPOSURE	Flush with copious amounts of water; remove contaminated clothing and shoes; call a physician; under care of a physician, prompt application of steroid anti-inflammatory creams may reduce or prevent skin irritation
EYE EXPOSURE	Flush with copious amounts of water; assure adequate flushing by holding eyelids open with fingers; call a physician; under care of physician, prompt application of steroid anti-inflammatory suspension may reduce or prevent eye irritation
ORAL EXPOSURE	Wash out mouth with copious amounts of water; call a physician; under care of physician, prompt application of steroid anti-inflammatory creams may reduce irritation

#### Section 5 - Fire Fighting Measures

SUITABLE EXTINGUISHING AGENTS	Water spray, carbon dioxide, dry chemical powder or foam
PROTECTIVE EQUIPMENT	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes
UNUSUAL FIRE HAZARD	May emit toxic fumes under fire condition

#### Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)	Cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves
METHODS FOR CLEANING UP	Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); decontaminate surfaces and equipment by scrubbing with alcohol to remove bulk material followed by treatment of surfaces and equipment with 5% hypochlorite solution; dispose of contaminated material according to Section 13

## Section 7 - Handling and Storage

INFORMATION FOR AVOID CONTACT WITH SKIN, EYES AND CLOTHING;  
SAFE HANDLING MATERIAL IS AN IRRITANT; HANDLE AND USE  
AMOUNTS OF 25 MILLIGRAMS OR LESS PER  
CONTAINER  
STORAGE STORE SOLID AND SOLUTIONS AT -20 °C

## Section 8 - Exposure Controls / PPE

PERSONAL PROTECTIVE EQUIPMENT AS FOLLOWS  
BREATHING EQUIPMENT NIOSH/MSHA-approved respirator  
PROTECTION OF HANDS Chemical-resistant rubber gloves  
EYE PROTECTION Chemical safety goggles

## Section 9 - Physical/Chemical Properties

Form Amorphous film  
Molecular Weight 616.84  
Color Clear colorless film  
Odor None  
Melting Not applicable, compound is usually not  
Point/Melting crystalline  
Range  
Danger of None  
Explosion  
Solubility in / Not soluble  
Miscibility with  
Water  
Solvent Content None  
Organic Solvents Ethers, alcohols, chlorinated solvents,  
dimethyl sulfoxide (DMSO)

## Section 10 - Stability and Reactivity

Stability AVOID ACIDS AND BASES  
Thermal Decomposition / PROTECT FROM LIGHT AND HEAT  
Conditions to be Avoided  
Dangerous Products of  
Decomposition  
Thermal decomposition may produce  
toxic gases such as carbon monoxide  
and carbon dioxide

### Section 11 - Toxicological Information

Acute Toxicity	Irritant
PRIMARY IRRITANT EFFECT	
On the Skin	Irritation, erythema
On the Eye	Not known; expected to be an irritant

### Section 12 - Ecological Information

No data available.

### Section 13 - Disposal Considerations

Dispose of in accordance with prevailing country, federal, state and local regulations.

### Section 14 - Transport Information

DOT	
Proper Shipping Name	None
Non-Hazardous for Transport	This substance is considered to be non-hazardous for transport
IATA Class	
Proper Shipping Name	None
Non-Hazardous for Transport	This substance is considered to be non-hazardous for transport

### Section 15 - Regulatory Information

Risk Phrases	Irritating to eyes, skin and respiratory system
Safety Phrases	In case of accident, flush eyes or skin with copious amounts of water; remove contaminated clothing and shoes; call a physician; under care of a physician, prompt application of steroid anti-inflammatory creams may reduce or prevent skin irritation

## Section 16 - Other Information

### DISCLAIMER

For R&D use only. Not for drug, household or other uses.

### \* OSHA Compliance

WPI Inc. withholds the right to limit disclosure of concentrations and/or ingredients within the domain of "trade secrets" described in Hazard Communication - 1910.1200 (Standards - 29 CFR). WPI Inc. will also comply to all situations requiring the release of sensitive information stated in those regulations such as a case of emergency.

### WARRANTY

The staff of our company believes all information to be correct. Allow this document to be used as a guideline for usage of the product, but WPI Inc. does not consider this document an all inclusive document. Information in this document is publicly available information obtained from credible sources, vendors and/or from WPI Inc. directly. This information is intended only for safety purposes and does not serve as a guarantee for the absolute properties of this product. WPI Inc. is not liable for any damages or injury resulting from contact with or handling of the above product. Refer to terms and conditions of sale for any questions.

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