

**MATERIAL SAFETY DATA SHEET****MANUFACTURER:****SCHAFFER LABS**  
1058 N. Allen Ave.  
Pasadena, CA 91104  
(818) 798-8644**EMERGENCY TELEPHONE:** (818) 798-8644**PRODUCT NAME:** **PHYLORINOL****CHEMICAL NAME AND SYNONYMS:** N/A**FORMULA:** MIXTURE, Phenol 0.60%, Boric Acid, Purified Water, Strong Iodine Solution, Sorbitol 70% Solution, Viscarine, Methyl Salicylate, Sodium Chloride, and Sodium Copper Chlorophyll.**CHEMICAL FAMILY:** IODOPHENOL/CHLOROPHYLL**SECTION II - HAZARDOUS INGREDIENTS****MIXING OF THIS PRODUCT WITH ANY OTHER CHEMICAL SHOULD BE AVOIDED TO PREVENT ANY REACTION THAT MAY BE HARMFUL.****SECTION III - PHYSICAL DATA****BOILING POINT:** N/A**MELTING POINT:** N/A**VAPOR PRESSURE:** NOT DETERMINED**VAPOR DENSITY (AIR=1):** NOT DETERMINED**SOLUBILITY IN WATER:** HIGHLY SOLUBLE**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** NOT DETERMINED**% VOLATILE BY VOLUME (%):** N/A**EVAPORATION RATE:** N/A**pH:** 2.7 - 2.85**APPEARANCE AND ODOR:** DARK GREEN TURBID LIQUID WITH A PHENOL ODOR.**SECTION IV - FIRE AND EXPLOSION HAZARD DATA****FLASH POINT:** N/A**FLAMMABLE LIMITS:** NON-FLAMMABLE**EXTINGUISHING MEDIA:** N/A**SPECIAL FIRE FIGHTING PROCEDURES:** N/A**PRODUCT IS NON-TOXIC, NON-HAZARDOUS. NO SPECIAL PRECAUTIONS ARE NECESSARY SPECIFICALLY FOR THIS PRODUCT IN THE EVENT OF FIRE.****SECTION V - HEALTH HAZARD DATA****THRESHOLD LIMIT VALUE:** NOT ESTABLISHED.**EFFECTS OF OVEREXPOSURE:** FOR THE INTENDED PURPOSE - HARMLESS.**EYE:** MILD TEMPORARY BLURRING OF VISION.**SKIN:** HARMLESS**INHALATION:** N/A**INGESTION:** HARMLESS**EMERGENCY & FIRST AID PROCEDURES:****EYE CONTACT:** FLUSH WITH WATER UNTIL CLEAR.**SKIN CONTACT:** WASH WITH SOAP AND WATER.**INHALATION:** N/A**INGESTION:** IN ACCIDENTAL INGESTION DRINK SEVERAL GLASSES OF WATER DEPENDING ON AMOUNT INGESTED. IF ADVERSE EFFECTS ARE

NOTED SEEK MEDICAL HELP.

#### SECTION VI - REACTIVITY DATA

STABILITY: STABLE

POLYMERIZATION: N/A

CONDITION TO AVOID: FREEZING

MATERIALS TO AVOID: DO NOT MIX WITH ANY OTHER AGENTS - DO NOT DILUTE.

HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS: MAY LIBERATE IODINE AND PHENOL ODORS.

#### SECTION VII - SPILLS OR LEAK PROCEDURES

ACTION TO TAKE FOR SPILLS OR LEAKS: USE COTTON OR ANY OTHER ABSORBENT MATERIAL TO WIPE OFF THE SPILL. RINSE WITH CLEAR WATER. WASTE IS NON-TOXIC, NON-HAZARDOUS BUT SHOULD BE IN SEALED CONTAINER TO AVOID ODOR.

#### SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: N/A

EYE PROTECTION: IF SPLASHING IS POSSIBLE USE INDUSTRIAL SAFETY GLASSES, MINIMUM. AS NECESSARY TO COMPLY WITH 29 CFR 1910.133 AND WORK AREA CONDITIONS: USE SIDE SHIELDS, COGGLES OR FACE SHIELD.

SKIN PROTECTION: IF ALLERGIC TO IODINE PRODUCTS USE INDUSTRIAL RESISTANT FLEXIBLE GLOVES. DEPENDING ON WORKING CONDITIONS, I.E., CONTACT POTENTIAL, WEAR IMPERVIOUS PROTECTIVE GARMENTS SUCH AS HEAD/NECK COVER, APRONS, JACKET, PANTS, COVERALLS, BOOTS, ETC.

PROTECTIVE CLOTHING: LONG-SLEEVED SHIRT, TROUSERS, RUBBER BOOTS, RUBBER GLOVES AND RUBBER APRON.

OTHER PROTECTIVE MEASURES: AN EYEWASH SOLUTION SHOULD BE NEARBY AND READY FOR USE IN CASE OF AN ACCIDENT.

#### SECTION IX - SPECIAL PRECAUTIONS

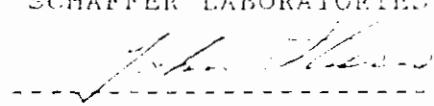
HANDLING: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

STORAGE: KEEP IN A CLOSED, LABELED CONTAINER WITHIN A COOL (WELL SHADED), DRY VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE. MAINTAIN GOOD HOUSEKEEPING.

OTHER: DO NOT TAKE INTERNALLY. DO NOT USE UNTIL MANUFACTURERS PRECAUTIONS HAVE BEEN READ/UNDERSTOOD. WASH EXPOSED AREAS PROMPTLY AND THOROUGHLY AFTER SKIN CONTACT AND BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS OR REST ROOMS.

NOTICE: WHILE THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREOF, SCHAFFER LABORATORIES MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

SCHAFFER LABORATORIES

  
John Starrs, President



Schaffer Laboratories  
Pharmaceuticals  
Since 1948  
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Dear Doctor:

Some OSHA inspectors have expressed the preference to see a standard MSDS on all products used in practice. In order to help maintain your record of compliance we have prepared the enclosed MSDS sheets. Please save them in your file.

Phylorinol is an OTC product which is not toxic, nor is it a hazardous material; therefore, it should not require safety instructions separate from normal recommended practice procedures. Confusion is sometimes caused because iodine and phenol are used in the manufacturing process. However, the final compound is iodophenol and does not contain any free iodine or free phenol. Phylorinol is further distinguished from other oral rinse products by the complete absence of alcohol.

Sincerely,

*John Starrs*  
John Starrs

JS/na  
encl.