

# MATERIAL SAFETY DATA SHEET

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WEN EPI-VERA ANTIMICROBIAL HS 4X1CS

PRODUCT NAME: WEN EPI-VERA ANTIMICROBIAL HS 4X1CS  
PRODUCT CODE: FLPEIGHWEN-EPI-1

## SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: FORMULA CORPORATION  
ADDRESS: 7901 SECOND AVENUE SOUTH  
SEATTLE, WA. 98108

EMERGENCY PHONE: (800) 228-5635 #059 DATE REVISED: 12/10/98  
INFORMATION PHONE: (800) 772-7005 NAME OF PREPARER: C. VERNER, CHEMIST

## SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

### REPORTABLE COMPONENTS

\*\*\* NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT \*\*\*

\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. \*\*\*  
This product may contain chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212 DEG F  
SPECIFIC GRAVITY (H2O=1): 1.01

VAPOR DENSITY: HEAVIER THAN AIR  
EVAPORATION RATE: SLOWER THAN ETHER

SOLUBILITY IN WATER: Complete  
PH: 10.0 - 10.5

APPEARANCE AND ODOR: Liquid, semi-viscous, faint sweet odor.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE  
METHOD USED: CC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A  
UPPER: N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

### SPECIAL FIREFIGHTING PROCEDURES

fire fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

None

## SECTION V - REACTIVITY DATA

STABILITY: STABLE  
CONDITIONS TO AVOID

None  
INCOMPATIBILITY (MATERIALS TO AVOID)

None  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS

May liberate carbon monoxide, carbon dioxide, and oxides of sulfur.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Inhalation risks for this product are considered to be minimal.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYES - Liquid and mists will irritate and may burn the eyes. SKIN - No irritation is likely after brief contact but may be irritating after prolonged contact.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

skin absorption risks unknown.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Swallowing large quantities may cause nausea and vomiting.

HEALTH HAZARDS (ACUTE AND CHRONIC)

CHRONIC - No specific information available.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

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## WEN EPI-VERA ANTIMICROBIAL HS 4X1CS

The components of this product are not considered to be carcinogens by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None reported.

### EMERGENCY AND FIRST AID PROCEDURES

**INHALATION** - Remove to fresh air. Give artificial respiration if not breathing. **EYES** - Flush immediately with large amounts of water for at least 15 minutes holding eyelids open. Get medical attention. **SKIN** - Immediately flush skin with lots of running water for at least 15 minutes. Remove contaminated clothing and shoes. **INGESTION** - If conscious, drink 2 glasses of water. Consult a physician or poison control center immediately. Treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.

### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

For small spills dilute with water, mop or wipe up and contain. For large spills, contain by diking with absorbent material. Keep material out of sewers, storm drains, surface waters, and soil.

#### WASTE DISPOSAL METHOD

Comply with all applicable governmental regulations on spill reporting, handling and disposal of waste. Dispose of contaminated product and materials used in clean up in a manner approved for this material and the contaminant. Consult appropriate Federal, State and local regulatory agencies to ascertain proper disposal procedures and comply with them.

#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a dry, well ventilated place away from incompatible materials. Keep container tightly closed when not in use. Store at temperatures above the solutions freezing point to remain liquid. Do not use pressure to empty container.

#### OTHER PRECAUTIONS

Empty containers usually still hold residues of material and vapors. These must be considered hazardous and disposed of in accordance with proper handling procedures prescribed for hazardous chemicals. When mixing with water, always add this product to water and stir.

### SECTION VIII - CONTROL MEASURES

#### RESPIRATORY PROTECTION

In the absence of adequate ventilation an approved respirator may be required.

#### VENTILATION

Be sure to provide adequate ventilation in all working areas at all time. In general, health problems could result from repeated and prolonged exposure chemical vapors.

#### PROTECTIVE GLOVES

None required with normal use.

#### EYE PROTECTION

None required under normal use conditions. Eye protection required if used overhead or misting or spraying.

#### OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Where gross eye and skin contact may occur use and wear appropriate clothing, rubber boots with pants on the outside, and rubber gloves.

#### WORK/HYGIENIC PRACTICES

Standard hygienic practices must be observed when handling all chemicals.

### SECTION IX - DISCLAIMER

Information contained herein is furnished without warranty of any kind. Employees 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 for the safety and health of employees.