



# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** Envirox H2Orange2 Concentrate 117  
**PRODUCT NUMBER:** 117 **DATE:** June 30, 2009

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

Do not flush large quantities of material into sewers or bodies of water. Use absorbent to trap spilled material, then place in waste container. Small spills (less than a gallon) can be flushed into a sanitary sewer with plenty of water.

## SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store indoors; Store below 120°F, avoiding temperature extremes. Do not store with incompatible materials (see Section 10).

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	TWA ppm	PEL mg/m3
<b>Hydrogen Peroxide</b>	<b>1</b>	<b>1.4</b>	<b>75 IDLH</b>		<b>1</b>		<b>1</b>	<b>1.4</b>

### PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Local Exhaust Ventilation is OK. NIOSH/OSHA approved respirators may be used if respiratory irritation occurs.

PROTECTIVE GLOVES:

Impervious protective gloves are recommended - especially for sustained contact. Neoprene is a good choice for glove material.

EYE PROTECTION:

Safety glasses with side shields are recommended where a splash hazard exists and as a good industrial practice.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Not generally required. An impervious apron is suggested for situations where a splash hazard exists.

WORK / HYGIENIC PRACTICES:

Wash hands with soap and water after contact. Use emollient cleanser for mild dryness of skin.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR <b>Clear liquid with a pleasant citrus odor.</b>	VAPOR PRESSURE <b>NE</b>
pH <b>4.0-4.2</b>	SPECIFIC GRAVITY (WATER = 1) <b>1.019</b>
BOILING POINT / BOILING RANGE <b>212°F</b>	SOLUBILITY IN WATER <b>Completely Soluble.</b>
FLASH POINT <b>147°F (PMCC)</b>	VISCOSITY <b>NA</b>
FLAMMABLE LIMITS LEL: <b>NA</b> UEL: <b>NA</b>	VAPOR DENSITY (AIR = 1) <b>NA</b>
AUTO-IGNITION TEMPERATURE <b>NA</b>	EVAPORATION RATE (WATER = 1) <b>NA</b>

## SECTION 10 - STABILITY AND REACTIVITY

STABILITY	STABLE <b>X</b>	CONDITIONS TO AVOID: <b>None known.</b>
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INCOMPATIBILITY (MATERIALS TO AVOID):

**Strong oxidizers, permanganates, reducing agents, acids.**

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

**None known.**

HAZARDOUS POLYMERIZATION:

**Will not occur.**

CONDITIONS TO AVOID:

**None related to polymerization.**

## SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
<b>Hydrogen Peroxide</b>	<b>7722-84-1</b>	<b>Oral, rat: LD50 = 376 mg/kg; Oral, mouse: LD50 = 2000 mg/kg</b>	<b>Inhalation, rat: LC50 = 2000 mg/m3</b>
	<b>231-765-0</b>		

## SECTION 12 - ECOLOGICAL INFORMATION

No ecological information is available for this blended product; it is known to be biodegradable, however, based on the ingredients used in its manufacture. Product contains no Priority Pollutants under the Clean Water Act.

