



# MATERIAL SAFETY DATA SHEET

## I. PRODUCT AND COMPANY INFORMATION

**TRADE NAME:** Equalsoft  
**CHEMICAL FAMILY:** Liquid Sour/Softener

**HCS (Division of Washing Systems, LLC)**  
5579 Spellmire Dr.  
Cincinnati, OH 45246  
513-870-4830  
**EMERGENCY CONTACT: CHEMTREC (800-424-9300)**

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## II. HAZARDOUS INGREDIENTS

The materials listed in this data sheet are classified as **HAZARDOUS** in accordance with the definition set forth by the Occupational Safety and Health Administration in 29 CFR 1910.1200.

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>EXPOSURE LIMIT</u>
Phosphoric Acid	Orthophosphoric Acid	3 mg/m <sup>3</sup> OSHA PEL/STEL 1 mg/m <sup>3</sup> ACGIH TLV/TWA
Hexylene Glycol	Hexylene Glycol	25 ppm ACGIH PEL

## III. PHYSICAL/CHEMICAL CHARACTERISTICS

<u>APPEARANCE &amp; ODOR</u>	<u>VAPOR DENSITY (AIR=1)</u>	<u>BOILING POINT</u>	<u>SOLUBILITY IN WATER</u>
Light Blue liquid, no distinguishable odor	UNK	ND	Soluble (> 1%)
<u>SPECIFIC GRAVITY</u>	<u>EVAPORATION RATE (N-Butyl Acetate=1)</u>	<u>VAPOR PRESSURE (mmHg)</u>	<u>MELTING POINT</u>
1.05	ND	UNK	N/A

## IV. FIRE AND EXPLOSION DATA

<u>FLASHPOINT</u>	<u>FLAMMABLE LIMITS (lower limit) (upper limit)</u>	<u>AUTO IGNITION TEMP</u>
>200°F	N/A N/A	N/A

EXTINGUISHING AGENTS: Product is not combustible.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and full protective clothing. Keep containers cool with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

## V. REACTIVITY DATA

<u>STABILITY</u>	<u>HAZARDOUS DECOMPOSITION PRODUCTS</u>	<u>MATERIALS TO AVOID</u>	<u>HAZARDOUS POLYMERIZATION</u>
Stable	Phosphoric Oxides	Strong alkalis, sulfides, and sulfites	Will not occur.

## VI. HEALTH HAZARD DATA

**SKIN:**        ACUTE    May cause dermal irritation.  
                       CHRONIC None Known.

**EYES:**        ACUTE    May cause eye irritation.  
                       CHRONIC None Known

**INHALATION:** ACUTE    Inhalation of fumes may result in irritation of the nose, throat, and respiratory tract.  
                       CHRONIC None Known

**INGESTION:** ACUTE    May be irritating to nose, throat, and respiratory tract.  
                       CHRONIC Can cause death.

### **MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

None are known.

### **CARCINOGENICITY**

**OSHA:** NO

**IARC MONOGRAPHS:** NO

**NTP:** NO

### **EMERGENCY AND FIRST AID PROCEDURES**

**SKIN:**        Immediately flush with plenty of cool water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician if irritation persists.

**EYES:**        Immediately flush with plenty of cool water under low pressure. Flush continuously for at least 15 minutes. Hold eyelids open and move eye while flushing. Seek medical attention immediately.

**INHALATION:** Remove to fresh air. If breathing stops, administer artificial respiration. Get medical attention immediately

**INGESTION:** Never give anything by mouth to an unconscious person. **DO NOT INDUCE VOMITING.** If conscious give large quantities of water. If vomiting occurs spontaneously, keep airway clear. Call a physician immediately.

## VII. SPILL OR LEAK PROCEDURES

Earthen dikes may be constructed to contain the spill. Absorb spills with dry sand or earth. Neutralize with soda ash or lime. Flush spill area with large amounts of water. Dispose of in a manner approved by local, state, and federal regulations. Contains no phosphates.

### **SPECIAL PRECAUTIONS**

Store in a cool, well-ventilated area away from alkalies and chlorine containing compounds.

## VIII. CONTROL MEASURES

<u>RESPIRATORY PROTECTION</u>	<u>EYE PROTECTION</u>	<u>PROTECTIVE GLOVES</u>	<u>OTHER PROTECTIVE EQUIPMENT</u>
Use NIOSH approved respirator when airborne limits are exceeded	None required under normal use	None required under normal use	None required under normal use
<u>VENTILATION:</u>	<u>Mechanical</u>	<u>Local</u>	<u>Special</u>
	Normal Air Dilution	None	None

N/A = Not Applicable

PEL = Permissible Exposure Limit

TWA = Time Weighted Average

ACGIH = American Conference of Governmental Industrial Hygienists

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limit

UNK = Unknown at This Time

### **EQUALSOFT**