



MATERIAL SAFETY DATA SHEET

I. PRODUCT AND COMPANY INFORMATION

TRADE NAME: Soft Control
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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Version: 2

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> |
|---------------------------------|--------------------|--|
| Isopropyl Alcohol | Isopropanol | 400 ppm OSHA PEL/STEL 200 ppm ACGIH TLV/TWA |
| Citric Acid | Citric Acid | |
| Dipropylene Glycol Methyl Ether | | 150 ppm OSHA PEL/STEL 100 ppm ACGIH TLV/TWA |

III. PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|-----------------------------------|--|------------------------------|----------------------------|
| <u>APPEARANCE & ODOR</u> | <u>VAPOR DENSITY (AIR=1)</u> | <u>BOILING POINT</u> | <u>SOLUBILITY IN WATER</u> |
| Light Blue liquid, floral odor | UNK | ND | Soluble (> 1%) |
| <u>SPECIFIC GRAVITY</u> | <u>EVAPORATIONRATE (N-Butyl Acetate=1)</u> | <u>VAPOR PRESSURE (mmHg)</u> | <u>MELTING POINT</u> |
| 1.055 | ND | UNK | N/A |

IV. FIRE AND EXPLOSION DATA

| | | |
|-------------------|--|---------------------------|
| <u>FLASHPOINT</u> | <u>FLAMMABLE LIMITS</u> (lower limit) (upper limit) | <u>AUTO IGNITION TEMP</u> |
| >142°F | ND ND | ND |

EXTINGUISHING AGENTS: Dry chemical, water spray, foam, carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Although this product has a flash point below 200 degrees F, it is an aqueous solution containing alcohol and does not support combustion.

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 | none known | Strong alkalis | Will not occur. |

VI. HEALTH HAZARD DATA

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

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

INHALATION: ACUTE None Known
 CHRONIC None Known

INGESTION: ACUTE May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
 CHRONIC Can cause death.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Persons with pre-existing skin disorders may be more susceptible to irritating effects.

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: No specific first aid measures are required.

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 | Goggles | 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 |

| | |
|---|---|
| ND = Not Determined | OSHA = Occupational Safety and Health Administration |
| PEL = Permissible Exposure Limit | STEL = Short Term Exposure Limit |
| TWA = Time Weighted Average | UNK = Unknown at This Time |
| ACGIH = American Conference of Governmental Industrial Hygienists | |

SOFT CONTROL