

# EC-X100 ELUENT CONCENTRATE

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

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## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Name:** EC-X100 Eluent Concentrate

**CAS No:** None

### 1.2. Intended Use of the Product

**Use of the substance/mixture:** HPLC Cleaning Liquid

### 1.3. Name, Address, and Telephone of the Responsible Party

Hamilton Company

4970 Energy Way

89508 Reno

T 800-648-5950

[www.hamiltoncompany.com](http://www.hamiltoncompany.com)

### 1.4. Emergency Telephone Number

**Emergency Number** CHEMTREC : (US) 800-424-9300 Outside US 1-202-483-7616

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

**Classification (GHS-US)**

Clear Liquid

Full text of H-phrases: see section 16

### 2.2. Label Elements

**GHS-US Labeling**

**Signal Word (GHS-US)** : Warning

**Hazard Statements (GHS-US)** : Material is extremely flammable

### 2.3. Other Hazards

Contact may cause eye and skin irritation.

Ingestion may cause poisoning.

### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product Identifier	%	Classification (GHS-US)
Methanol	(CAS No) 67-65-1	>97	
4-hydroxybenzoic Acid	(CAS No) 99-96-7	<3	
Sodium Hydroxide	(CAS No) 1310-73-2	<0.5	

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

**First-aid Measures After Inhalation:** Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Rinse immediately with soap and plenty of water. Remove contaminated clothing. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**First-aid Measures After Ingestion:** If a person is conscious, give large amounts of water, and induce vomiting: consult a Physician.

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms/Injuries:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Symptoms/Injuries After Inhalation:** Vapors from this product may cause irritation to the respiratory tract.

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**Symptoms/Injuries After Skin Contact:** Irritation may occur.

**Symptoms/Injuries After Eye Contact:** irritation and vision impairment

**Symptoms/Injuries After Ingestion:** Diarrhea, vomiting.

**Chronic Symptoms:** None expected under normal conditions of use.

## 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Extremely flammable.

**Explosion Hazard:** Product itself is not explosive but vapors may ignite in the presence of an open flame or static discharge and will cause an explosion hazard

**Reactivity:** Hazardous reactions are unlikely to occur under normal circumstances.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Other Information:** Refer to Section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid all unnecessary exposure. Do not breathe vapors. Avoid contact with eyes. Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

#### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain and collect as any liquid. Do not dispose of down sewer drain.

**Methods for Cleaning Up:** Clean up spills immediately using absorbent media and dispose of waste safely. Use only non-electric tools.

### 6.4. Reference to Other Sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Use care during processing to minimize release of vapors and contact with skin or eyes.

**Precautions for Safe Handling:** Avoid prolonged contact with skin and clothing. Do not ingest or get in eyes. Avoid prolonged inhalation of vapors. Good housekeeping is needed during storage, transfer, handling, and use of this material.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Do not eat, drink or smoke in areas where product is used.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Products:** Strong oxidizers.

### 7.3. Specific End Use(s)

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Filter media for HPLC.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

### 8.2. Exposure Controls

#### Appropriate Engineering Controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed. Use local exhaust or general dilution ventilation or other suppression methods to maintain levels below exposure limits. Do not use in the presence of open flame or sparks.

#### Personal Protective Equipment

: Protective goggles. Gloves. Vapor formation: respiratory protection.



#### Hand Protection

: Wear chemically resistant protective gloves.

#### Eye Protection

: Chemical goggles or safety glasses.

#### Skin and Body Protection

: None. Launder clothes after exposure.

#### Respiratory Protection

: Mechanical ventilation. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear. May become more amber-colored as product ages
Odor	: Alcohol
Odor Threshold	: No data available
pH	: N/A
Evaporation Rate	: (Water = 1) 4.6
Melting Point	: -144°F (-68°C)
Freezing Point	: No data available
Boiling Point	: 149°F (65°C)
Flash Point	: 54°F (12°C)
Auto-ignition Temperature	: 867°F (463°C)
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: 96 mmHG @20°C
Relative Vapor Density at 20 °C	: (Water =1) 1.11
Relative Density	: 1.79 g/cc
Specific Gravity	: 1.79
Solubility	: 100% in water
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

### 9.2. Other Information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions are unlikely to occur under normal circumstances.
- 10.2. Chemical Stability:** Product is stable.
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Open flames, sources of ignition and incompatible materials.
- 10.5. Incompatible Materials:** Strong acids, strong oxidizing agents, acid chlorides, acid anhydrides, zinc and aluminum.
- 10.6. Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide, formaldehyde.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

**Acute Toxicity:** Not classified

**Skin Corrosion/Irritation:** May cause skin irritation. Prolonged exposure may cause dermatitis.

**Serious Eye Damage/Irritation:** Eye Irritant

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Irritation. Prolonged inhalation may cause breathing difficulty, unconsciousness and death.

**Symptoms/Injuries After Skin Contact:** Irritation. Prolonged exposure may cause dermatitis

**Symptoms/Injuries After Eye Contact:** Irritation. Prolonged or repeated exposure may cause visual impairment and blindness

**Symptoms/Injuries After Ingestion:** Vomiting, diarrhea

**Chronic Symptoms:** None expected under normal conditions of use.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1. Toxicity** No additional information available

**12.2. Persistence and Degradability** No additional information available

**12.3. Bioaccumulative Potential** No additional information available

**12.4. Mobility in Soil** No additional information available

**12.5. Other Adverse Effects**

**Other Information** : Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

**Waste Disposal Recommendations:** Dispose of contents and container according to local, regional, national, and international regulations.

## SECTION 14: TRANSPORT INFORMATION

**14.1. In Accordance with DOT** Methanol must be labeled "Flammable Liquid, Poison, n.o.s" or "Flammable Liquid" and the exemption number.

Methanol: UN1230, DOT Class 3, Reportable Quantity 5000 lbs,

**14.2. In Accordance with IMDG** Methanol: Class 3, Limited Quantities (1L), EmS F-E, S-D

**14.3. In Accordance with IATA** Packaging Group II, Air Max Qty 1L (Passenger Aircraft) or 60L (Cargo Aircraft). Each individual bottle contains 50 mL.

## SECTION 15: REGULATORY INFORMATION

**15.1 US Federal Regulations**

**Methanol 67-65-1)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**15.2 US State Regulations** Neither this product nor its chemical components appear on any US state lists.

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 04/16/2015

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS Full Text Phrases:**

Clear Liquid

Extremely Flammable

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS US (GHS HazCom)