

# SAFETY DATA SHEET

## Coil Clean E

Rev. Date: March 21, 2016

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Company Identification:** Wayne Concept  
5005 Speedway Drive  
Fort Wayne, IN 46825  
Phone: (260)482-8615  
Fax: (260)483-5598

**24 Hour Emergency Telephone Number:** INFOTRAC (800)535-5053

**Trade Name:** Coil Clean E

**SDS #:** 818

**Product Use:** Evaporator coilcleaner

### 2. HAZARDS IDENTIFICATION

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#### EMERGENCY OVERVIEW:

**Color:** Colorless  
**Physical State:** Liquid  
**Odor:** Glycol ether odor  
**Signal Word:** **WARNING**  
**GHS Classifications:** Acute Toxicity (oral); Category 4  
Acute Toxicity (dermal); Category 4  
Skin Corrosion/Irritation; Category 3  
Serious Eye Damage/Irritation; Category 2



**MAJOR HEALTH HAZARDS:** Causes irritation. Avoid contact with eyes, skin or clothing. Harmful if swallowed.

**PHYSICAL HAZARDS:** Mixing with water, acid or incompatible materials may cause splattering and release of heat. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated.

**ECOLOGICAL HAZARDS:** This material has exhibited moderate toxicity to aquatic organisms.

**PRECAUTIONARY STATEMENTS:** Do not get in eyes, on skin, or on clothing. Do not breathe vapor or mist. Keep container tightly closed. Wash thoroughly after handling. Use with adequate ventilation .

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#### POTENTIAL HEALTH EFFECTS:

**Inhalation:** Prolonged exposure may irritate mucous membranes in nose, throat and lungs.  
**Skin contact:** May cause irritation and chapping. May be absorbed through skin with prolonged or repeated contact.  
**Eye contact:** Contact with concentrated product will cause severe irritation and redness.  
**Ingestion:** Severe irritant to mouth, throat and gastrointestinal tract. Will cause dizziness, nausea, vomiting and diarrhea.

**Chronic Effects:** None known.

**Medical Conditions Aggravated by Exposure:** Respiratory system (including asthma and other breathing disorders).

**See Section 11: TOXICOLOGICAL INFORMATION**

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Component	%	CAS Number
Monoethanolamine	1 – 5	141-43-5
Ethylene glycol monobutyl ether	5 – 10	111-76-2
Propylene glycol monomethyl ether	5 – 10	107-98-2

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### 4. FIRST AID MEASURES

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**INHALATION:** If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. If respiration or pulse has stopped, have a trained person administer basic life support (Cardio-Pulmonary Resuscitation and/or Automatic External Defibrillator) and CALL FOR EMERGENCY SERVICES IMMEDIATELY.

**SKIN CONTACT:** Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry and shoes. Wash contaminated areas with soap and water. Thoroughly clean and dry contaminated clothing before reuse. Discard contaminated leather goods. GET MEDICAL ATTENTION IMMEDIATELY.

**EYE CONTACT:** Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness. GET MEDICAL ATTENTION IMMEDIATELY.

**INGESTION:** Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. GET MEDICAL ATTENTION IMMEDIATELY.

**Notes to Physician:** The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage. Probable mucosal damage may contraindicate the use of gastric lavage.

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### 5. FIRE-FIGHTING MEASURES

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**Fire Hazard:** Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. May react with chemically reactive metals such as aluminum, zinc, magnesium, copper, etc. to release hydrogen gas which can form explosive mixtures in air.

**Extinguishing Media:** Use extinguishing agents appropriate for surrounding fire.

**Fire Fighting:** Move container from fire area if it can be done without risk. Cool containers with water. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode. Avoid contact with skin.

**Sensitivity to Mechanical Impact:** Not sensitive.

**Sensitivity to Static Discharge:** Not sensitive.

**Flash point:** Not flammable

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## 6. ACCIDENTAL RELEASE MEASURES

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**Occupational Release:** Wear appropriate personal protective equipment recommended in Section 8 of the SDS. Completely contain spilled material with dikes, sandbags, etc. Keep out of water supplies and sewers. Liquid material may be removed with a vacuum truck. Flush spill area with water, if appropriate. This material is alkaline and may raise the pH of surface waters with low buffering capacity. Releases should be reported, if required, to appropriate agencies.

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## 7. HANDLING AND STORAGE

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**Storage Conditions:** Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated. Keep separated from incompatible substances (see Section 10 of SDS).

**Handling Procedures:** Avoid breathing vapor or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. When mixing, slowly add to water to minimize heat generation and spattering.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Recommended Exposure Limit(s):

Ethylene glycol monobutyl ether: 20 ppm TWA (ACGIH) Monoethanolamine: 3 ppm TWA (OSHA); 6 ppm STEL (OSHA)

Propylene glycol monomethyl ether: 100 ppm TWA (ACGIH); 150 ppm STEL (ACGIH)

**ENGINEERING CONTROLS:** Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT:

**Eye Protection:** Wear chemical safety goggles with a faceshield to protect against eye and skin contact when appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**Skin and Body Protection:** Wear protective clothing to minimize skin contact. When potential for contact with wet material exists, wear Tychem® or similar chemical protective suit. When potential for contact with dry material exists, wear disposable coveralls suitable for dust exposure, such as Tyvek®. Always place pants legs over boots. Thoroughly clean and dry contaminated clothing before reuse. Discard contaminated leather goods.

**Hand Protection:** Wear appropriate chemical resistant gloves.

**Protective Material Types:** Butyl rubber, Natural rubber, Nitrile, Polyvinyl chloride (PVC), Tychem®, Tyvek®

**Respiratory Protection:** A NIOSH approved respirator with N95 dust/mist filter (1/2 facepiece) or N100 dust/mist filter (full facepiece) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. If eye irritation occurs, a full face style mask should be used. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Clear
<b>Color:</b>	Colorless
<b>Odor:</b>	Glycol ether odor
<b>Flash point:</b>	Not flammable
<b>Boiling Point/Range:</b>	212°F
<b>Freezing Point/Range:</b>	Not determined
<b>Vapor Pressure:</b>	Not determined
<b>Vapor Density (air=1):</b>	> 1
<b>Evaporation Rate:</b>	Faster than water
<b>Specific Gravity (water=1):</b>	1.005 ±0.005
<b>Density:</b>	8.359 lbs/gal
<b>Water Solubility:</b>	Complete
<b>pH:</b>	9.2 ±0.5

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## 10. STABILITY AND REACTIVITY

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**Reactivity/ Stability:** Stable at normal temperatures and pressures.

**Conditions to Avoid:** Mixing with water, acid, or incompatible materials may cause splattering and release of large amounts of heat. Will react with some metals forming flammable hydrogen gas. Carbon monoxide gas may form upon contact with reducing sugars, food and beverage products in enclosed spaces.

**Incompatibilities/ Materials to Avoid:** Acids, Flammable liquids, Halogenated compounds, Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys

**Hazardous Decomposition Products:** None known

**Hazardous Polymerization:** Will not occur

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## 11. TOXICOLOGICAL INFORMATION

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### TOXICITY DATA:

Component	LD50 Oral:	LC50 Inhalation:	LD50 Dermal:
Ethylene glycol monobutyl ether	1.2 g/kg (guinea pig)	>633 ppm, 1 h (guinea pig)	400 – 500 mg/kg (rabbit)
Monoethanolamine	620 mg/kg (Guinea pig)	1210 ppm (Rat)	1000 mg/kg (Rabbit)
Glycol ether PM	5660 mg/kg (Rat)	-----	13 g/kg (Rabbit)

### TOXICITY:

When in solution, this material will affect all tissues with which it comes in contact. The severity of the tissue damage is a function of its concentration, the length of tissue contact time, and local tissue conditions. After exposure there may be a time delay before irritation and other effects occur. This material is a strong irritant and is corrosive to the skin, eyes, and mucous membranes. This material may cause severe burns and permanent damage to any tissue with which it comes into contact.

**CARCINOGENICITY:** This product is not classified as a carcinogen by NTP, IARC or OSHA.

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## 12. ECOLOGICAL INFORMATION

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### ECOTOXICITY DATA:

- **Aquatic Toxicity:**  
This material is alkaline and may raise the pH of surface waters with low buffering capacity.  
This material has exhibited moderate toxicity to aquatic organisms.

**Toxicity data for components:**

**FATE AND TRANSPORT:**

**BIODEGRADATION:** This material will disassociate into ionic form in the aquatic environment. Natural carbon dioxide will slowly neutralize this material.

**BIOCONCENTRATION:** This material will not bioconcentrate.

**ADDITIONAL ECOLOGICAL INFORMATION:** This material has exhibited slight toxicity to terrestrial organisms.

**ECOLOGICAL HAZARDS:** This material has exhibited moderate toxicity to aquatic organisms.

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## 13. DISPOSAL CONSIDERATIONS

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Reuse or reprocess, if possible. Dispose in accordance with all applicable regulations. May be subject to disposal regulations.

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## 14. TRANSPORT INFORMATION

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**DOT/IMDG/IATA Hazard Classification:** Non-Hazardous, not regulated  
**Hazardous:** N  
**Shipping Name:** LIQUID CLEANING COMPOUNDS  
**Freight Class:** 55

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## 15. REGULATORY INFORMATION

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### U.S. REGULATIONS

- **OSHA REGULATORY STATUS:**  
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
- **CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):**  
If a release is reportable under CERCLA section 103, notify the state emergency response commission and local emergency planning committee. In addition, notify the National Response Center at (800) 424-8802 or (202) 426-2675
- **SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):** Not regulated
- **SARA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):**  
Acute Health Hazard
- **SARA SECTION 313 (40 CFR 372.65):** Components listed below.  
Ethylene glycol monobutyl ether; 6%
- **OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):** Not regulated

### NATIONAL INVENTORY STATUS

- **U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA):** All components are listed or exempt
- **TSCA 12(b):** This product is not subject to export notification
- **Canadian Chemical Inventory:** Canadian Chemical Inventory:

### STATE REGULATIONS

**California Proposition 65:** This product is not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

Components		
	<b>California Proposition 65 Cancer WARNING:</b>	Not Listed
	<b>California Proposition 65 CRT List - Male reproductive toxin:</b>	Not Listed
	<b>California Proposition 65 CRT List - Female reproductive toxin:</b>	Not Listed
	<b>Massachusetts Right to Know Hazardous Substance List</b>	Not Listed
	<b>New Jersey Right to Know Hazardous Substance List</b>	Ethylene glycol monobutyl ether
	<b>New Jersey Special Health Hazards Substance List</b>	corrosive
	<b>New Jersey - Environmental Hazardous Substance List</b>	Not Listed
	<b>Pennsylvania Right to Know Hazardous Substance List</b>	Ethylene glycol monobutyl ether
	<b>Pennsylvania Right to Know Special Hazardous Substances</b>	Not Listed
	<b>Pennsylvania Right to Know Environmental Hazard List</b>	Not Listed
	<b>Rhode Island Right to Know Hazardous Substance List</b>	Not Listed

**WHMIS - Classifications of Substances:**

- E - Corrosive material

## 16. OTHER INFORMATION

**Prepared by:** Wayne Concept

**HMIS: (SCALE 0-4)** (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)

**Health:** 1                      **Flammability:** 0                      **Reactivity:** 0  
**Personal Protection:** B

**NFPA 704 - Hazard Identification Ratings (SCALE 0-4)**

**Health:** 1                      **Flammability:** 0                      **Reactivity:** 0

**IMPORTANT:**

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