

# Eco-Coil™

MSDS# Eco-Coil

Date: 07/06/10

## SECTION 1. PRODUCT and COMPANY IDENTIFICATION

**Product Name:** ECO-COIL Coil Cleaner

**Catalog No.:** Eco-Coil, Eco-Coil-32, Eco-Coil-05

**Manufactured By:** Diversitech

**Address:** 6650 Sugarloaf Parkway, Duluth, GA 30097

**Emergency Contact:** 800-255-3924 Chem-Tel (Chemical Emergencies Only)

**Phone Number For Information:** 850-875-1716

**Date Revised** 06/07/2010

**Prepared By:** A. Jernigan

## SECTION 2. HAZARDS IDENTIFICATION

### Hazard Designation



Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.

### GHS Classifications

#### Health

Eye Irritation, Category 2

### GHS Label



### Hazard statement(s)

**Signal Word:** WARNING

### Emergency Overview

**Physical Appearance:** Clear liquid

**Immediate Concerns:** Contact may cause eye irritation.

### Potential Health Effects

**Eyes:** Contact causes severe eye irritation.

**Skin:** Substance does not generally irritate and is only mildly irritating to the skin.

**Skin Absorption:** May be absorbed through skin with prolonged and widespread contact.

**Ingestion:** may cause gastrointestinal distress.

**Inhalation:** Mist or spray may be slightly irritating to respiratory tract.

### Signs and symptoms of overexposure

**Eyes:** redness, burning sensation, tearing (watering) of the eyes.

**Skin:** substance may cause slight skin irritation.

**Skin Absorption:** None Expected.

**Ingestion:** Upset stomach, intestinal distress.

**Inhalation:** Irritation of nose, throat and upper respiratory tract.

**Acute Toxicity:** None Expected.

**Chronic Effects:** Dry, chapped skin may result from prolonged exposure. Repeated contact with eyes may cause severe irritation

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**Carcinogenicity:** None known.

**Mutagenicity:** None known.

**Reproductive Toxicity**

**Reproductive Effects:** None known.

**Teratogenic Effects:** None known.

**Medical Conditions Aggravated:** Breathing problems, skin problems.

**Routes Of Entry:** Inhalation, ingestion, eyes, skin.

**Target Organ Statement:** None Known.

**Cancer Statement:** None known.

**Irritancy:** Dry, chapped skin may result from prolonged exposure. Repeated contact with eyes may cause severe irritation.

**Sensitization:** None Expected.

**Warning Caution Labels:** Irritant

**Comments Health:** Not yet Determined

**Health Hazards:** Irritation

**Physical Hazards:** None Expected.

**Comments:** None

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS#	EINECS#	Classification	Risk Phrases
Sodium Silicate	0.1-0.5	1344-09-8	1344-09-8	C	R22, R34

( Full text of R-Phrases can be found under heading 16 )

## 4. FIRST AID MEASURES

**Eyes:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**Skin:** Wash with soap and water. Get medical attention if irritation develops or persists.

**Ingestion:** If swallowed, induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Inhalation:** Remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.

**Antidotes:** None known.

**Notes to Physician:** None

## 5. FIRE FIGHTING MEASURES

**Flash Point and Method:** NA

**Notes:** NA **Flammable Limits:** NA to NA

**Autoignition Temperature:** None Expected.

**Notes:** NA = Not Applicable

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## 6. ACCIDENTAL RELEASE MEASURES

**Small Spill:** Absorb with inert material (e.g., dry sand, clay) then place in appropriate container for disposal.

**Large Spill:** Use same methods as described for small spills. Mop or wipe up spill area with soap and water. Dry thoroughly.

### Environmental Precautions

**Water Spill:** Do not allow runoff to contaminate sewers, ditches or waterways.

**Land Spill:** Absorb spilled liquid and dispose of properly.

**Air Spill:** NA

**General Procedures:** Clean up spills immediately, observing precautions in Protective Equipment section.

**Release Notes:** No data available.

**SPECIAL PROTECTIVE EQUIPMENT:** Refer to Section 8, Exposure Control/Personal Protection.

**COMMENTS:** Spilled material causes surfaces to become extremely slippery. Use caution to prevent falls. Clean up spills immediately. Do not walk through spilled material.

## 7. HANDLING AND STORAGE

**General Procedures:** Keep container tightly closed and in a well-ventilated place. Keep container dry.

**Handling:** Avoid contact with eyes and skin. Use in a well-ventilated area. Avoid inhalation of vapors and mists.

**Storage:** Keep container tightly closed and in a well-ventilated place. Keep container dry.

**Storage Temperature:** Store in original container in a cool well-ventilated area. Keep out of reach of children.

**Loading Temperature:** NA

**Loading/Unloading Viscosity:** NA

**Storage Pressure:** NA

**Shelf Life:** Not Established

**Special Sensitivity:** None Expected.

**Electrostatic Accumulation Hazard:** NA

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels.

### Personal Protective Equipment

**Eyes And Face:** Wear safety glasses with side shields. Chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent) are recommended.

**Skin:** The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection.

**Approved Glove Materials:** Latex, neoprene or nitrile.

**Respiratory:** Good general ventilation should be sufficient to control airborne levels.

**Protective Clothing:** Wear protective rubber, vinyl or other waterproof clothing, including long sleeves and gloves, to prevent skin contact. Thoroughly wash clothing before reuse.

**Work Hygienic Practices:** Avoid contact with eyes and prolonged or repeated contact with skin. Avoid breathing mists or spray. Wash hands with soap and water after working with this product. Launder contaminated clothing before re-use.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid  
**Odor:** Mild, not unpleasant.  
**Appearance:** clear liquid.  
**Color:** Clear to pale yellow  
**Ph:** 11.0-11.5  
**Percent volatile:** > 95%  
**Vapor pressure:** ~ 2.3kpa at 20°C  
**Vapor density:** ~ 0.63, air=1  
**Boiling point:** > 100°C (212°F)  
**Freezing point:** < 0°C (32°F)  
**Melting point:** <= 0°C (32°F)  
**Pour point:** 4°C  
**Flash point and method:** NA  
**Solubility in water:** soluble  
**Evaporation rate:** ~ 1 (water=1) @25°C  
**Density:** 1009 kg/m<sup>3</sup>  
**Particle size:** NA  
**Specific gravity:** 1.009 @25°C  
**Viscosity #1:** ~ 1 to 3 cps at 25°C (77°F)  
**Molecular weight:** NA (mixture)  
**VOC:** < 40 grams/liter  
**Coeff. Oil/water:** Not established  
**Odor Threshold:** No data available  
**Oxidizing Properties:** None  
**Weight Per Volume:** 1009 kg/m<sup>3</sup>  
**Notes:** NA = not applicable

## 10. STABILITY AND REACTIVITY

**Stable:** Yes  
**Hazardous polymerization:** No  
**Polymerization:** Not expected.  
**Conditions To Avoid:** Oxidizing materials.  
**Possibility Of Hazardous Reactions:** None expected.  
**Hazardous Decomposition Products:** None suggested  
**Incompatible Materials:** Strong acids, bases, and oxidizers.

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## 11. TOXICOLOGICAL INFORMATION

**Acute**

**Eyes:** Not Established

**Dermal LD50:** Not Established

**Skin Absorption:** Not Yet Determined

**Oral LD50:** Not Established

**Inhalation LD50:** Not Established

**Eye Effects:** Reversible eye irritation

**Skin Effects:** Mild Irritation

**Chronic:** None Expected.

**Subchronic:** None Expected.

**Carcinogenicity**

Chemical Name	NTP Status	IARC Status	OSHA Status	Other
Sodium Silicate	None	None	None	None

**IARC:** None

**NTP:** None

**OSHA:** None

**Notes:** None

**Repeated Dose Effects:** No data available.

**Irritation:** No studies are available for this mixture. Based on the sodium silicate content, the product is classed as a Class 2 Acute Eye Irritant.

**Corrosivity:** No studies are available for this mixture. All components are present at levels that do not require classification.

**Sensitization:** No data available.

**Neurotoxicity:** No data available.

**Genetic Effects:** No data available.

**Reproductive Effects:** No data available.

**Target Organs:** No data available.

**Teratogenic Effects:** None expected.

**Mutagenicity:** This product does not contain any component(s) known to be mutagenic.

**Synergistic Materials:** None expected.

## 12. ECOLOGICAL INFORMATION

**Environmental Data:** Low hazard for usual industrial or commercial handling.

**Ecotoxicological Information:** No data available.

**Bioaccumulation/Accumulation:** All components of this product are readily and completely biodegradable. It is not expected to bio-accumulate.

**Distribution:** No data available. Contact Env. Dept.

**Aquatic Toxicity (Acute):** Not yet Determined

**Notes:** The product itself and its products of degradation are not toxic.

**Chemical Fate Information:** Readily biodegradable.

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## 13. DISPOSAL CONSIDERATIONS

**Disposal Method:** This material and its container must be disposed of in a safe way.

**For Large Spills:** See Section 6 & 7

**Product Disposal:** Dispose of this product in accordance with all applicable local, state and federal regulations.

**Empty Container:** Triple rinse and dispose of empty containers in an environmentally responsible manner. Reclaim or recycle if possible.

**RCRA/EPA Waste Information:** This product, if discarded as sold, is not a Federal RCRA hazardous waste. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

**RCRA Hazard Class:** None

**European Waste Catalogue:** Not classified

## 14. TRANSPORT INFORMATION

**U.S. DOT (Department Of Transportation)**

**Proper Shipping Name:** Not regulated for transport

**Technical Name:** None

**Primary Hazard Class/Division:** None

**Reportable Quantity (RQ) Under CERCLA:** None

**U.S. Surface Freight Class:** 55

**Placards:** None

**Label:** None

**Marine Pollutant:** None

**Other Shipping Information:** This product is non-hazardous for shipping by land, sea or air.

**U.S. CUSTOMS HARMONIZATION NUMBER:** Not established

**Custom Tariff Number:** Not established

**Special Shipping Notes:** None

**Road and Rail (ADR/RID)**

**Proper Shipping Name:** None

**UN Number:** None

**Kemler Number:** None

**Hazard Class:** None

**Classification Code:** None

**Packing Group:** None

**Limited Quantity:** None

**Transport Category:** Not assigned

**Vehicle For Tank:** Does not apply

**Special Provisions:** None

**Label:** None

**Road and Rail (UK only) (CDG):**

**Hazard Class:** None

**Special Provisions:** None

**EAC:** No data available.

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**Air (ICAO/IATA)**

Shipping Name: None  
Primary Hazard Class/Division: NA  
Packing Group: NA  
ERG: NA  
Subsidiary Risk: NA  
Special Provisions: None  
Placards: None  
Label: None

**Vessel (IMO/IMDG)**

Shipping Name: None  
Technical Name: None  
UN/NA Number: None  
Primary Hazard Class/Division: None  
Packing Group: NA  
Limited Quantity: None  
EmS: NA  
Marine Pollutant #1: None  
Placards: None  
Label: None  
Special Provisions: None

**Canada Transport of Dangerous Goods**

Shipping Name: None  
Technical Name: None  
Primary Hazard Class/Division: None  
Packing Group: None  
Tertiary Hazard Class/Division: None  
Placards: None  
Label: None  
TDG NOTE: None

## 15. REGULATORY INFORMATION

**United States**

**Sara Title III (Superfund Amendments And Reauthorization Act)**

311/312 Hazard Categories: None

FIRE: No Pressure Generating: No Reactivity: No Acute: No Chronic: No

313 Reportable Ingredients: None

**302/304 Emergency Planning**

Emergency Plan: NA

Threshold Quantity: None

**CERCLA (Comprehensive Response, Compensation, And Liability Act)**

**CERCLA Regulatory:** The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), 40 CFR 302 does not apply to this mixture.

**CERCLA RQ:** None

**Reportable Spill Quantity:** None

**EPA**

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**EPA RQ Ingredient:** None

**EPA RQ Product:** None

**TSCA (Toxic Substance Control Act)**

**TSCA Regulatory:** All components are listed on the TSCA Inventory or are excluded or exempt.

**TSCA STATUS:** All components are listed on the TSCA Inventory, or are excluded, or exempt.

**Clean Air Act**

**40 CFR Part 68---Risk Management For Chemical Accident Release Prevention:** NA

**Threshold Quantity:** None

**Occupational Safety And Health Administration (OSHA)**

**29 CFR1910.119---Process Safety Management Of Highly Hazardous Chemicals:** None regulated.

**Regulations**

**State Regulations:** None

**Local Regulations:** None

**California Proposition 65:** This product does not contain chemical(s) known to the state of California to cause cancer, birth defects, or reproductive harm.

**RCRA Status:** This product, if discarded as sold, is not a Federal RCRA hazardous waste. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

**OSHA Hazard Comm. Rule:** This document meets the requirements of the Hazardous Communications standard

**Clean Water Act:** Not Listed.

**National Response Center:** Not Listed

**Carcinogen:** This Mixture Does Not Contain Any Components Listed As A Carcinogen.

**USDA (U.S. Department Of Agriculture):** Na

**FIFRA (Federal Insecticide, Fungicide, And Rodenticide Act):** Not Available

**SDWA (Safe Drinking Water Act):** Not Available

**FDA (Food And Drug Administration):** Not Available

**DEA (Drug Enforcement Precursor & Essential Chemicals) Listed Substance:** Not Available

**Canada**

**WHMIS (Workplace Hazardous Materials Information System):** NA

**WHMIS CLASS:** NA

**Canada Ingredient Disclosure List:** Not listed

**Canadian Environmental Protection Act:** All ingredients are listed on the Canadian Domestic Substances List Inventory or are exempt.

**Domestic Substance List (Inventory):** Not listed

**Exemption Reg. No.:** No data available.

**PCP Reg. No:** None

**DIN Reg. No:** None

**European Community**

**EEC Label Symbol And Classification**



"Xi" - Irritant



R36/37/38: Irritating to eyes, respiratory system and skin.

**International Regulations**

**(VbF) Classification:** NA

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**(WGK) Classification:** Not classified  
**RoHS:** NA  
**Mexico** Not Established  
**Notes:** NA = Not Applicable

**16. OTHER INFORMATION**

**Relevant R-phrases:**

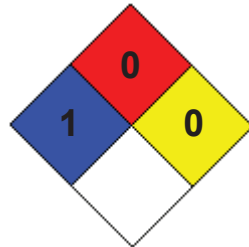
R22: harmful if swallowed.  
 R34: Causes burns.  
 R36/37/38: Irritating to eyes, respiratory system and skin.

**Reason for issue:** New product  
**Information contact:** Ph. 1+ 800.555.6385; 1+904.471.8104

**HMIS III Ratings:**  
**Health:** 1  
**Flammability:** 0  
**Physical hazard:** 0  
**Personal protection:** A or B

HMIS III®	
Health	1
Flammability	0
Physical Hazard	0
Personal Protection	A or B

**NFPA Codes**



**Health:** 1  
**Fire:** 0  
**Reactivity:** 0

**Manufacturer Disclaimer:** The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.