

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

Eco-Coil™

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

Eco-Coil™

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.

Eco-Coil™

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/m³
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/m³
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.

Eco-Coil™

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.

Eco-Coil™

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: Cleaning Compound, Liquid, NOI

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: Cleaning Compound

Un Number: NA

Kemler Number: NA

Hazard Class: None

Classification Code: None

Packing Group: NA

Limited Quantity: Na

Transport Category: NA

Vehicle For Tank: NA

Special Provisions: None

Label: None

Note: NA = Not Applicable

Road and Rail (UK only) (CDG):

Hazard Class: None

Special Provisions: None

EAC: No data available.

Air (ICAO/IATA)

Shipping Name: NA

Eco-Coil™

UN/NA Number: NA
Primary Hazard Class/Division: NA
Packing Group: NA
ERG: NA
Subsidiary Risk: NA
Special Provisions: None
Placards: None
Label: None
Note: NA = Not Applicable

Vessel (IMO/IMDG)
Shipping Name: NA
Technical Name: NA
UN/NA Number: NA
Primary Hazard Class/Division: None
Packing Group: NA
Limited Quantity: NA

EmS: NA
Marine Pollutant #1: NA
Placards: None
Label: None
Special Provisions: None
Note: NA = Not Applicable

Canada Transport Of Dangerous Goods
Shipping Name: None
Technical Name: None
Primary Hazard Class/Division: None
PACKING GROUP: NA
TERTIARY HAZARD CLASS/DIVISION: NA
PLACARDS: None
LABEL: None
TDG NOTE: None
COMMENTS: NA = Not Applicable

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

Eco-Coil™

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

Eco-Coil™

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

16. OTHER INFORMATION

Relevant R-phrases:

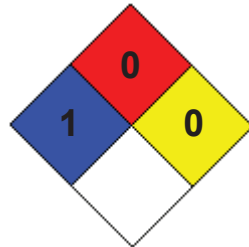
R22: harmful if swallowed.
 R34: Causes burns.
 R36/37/38: Irritating to eyes, respiratory system and skin.

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.