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**ECO CRETE™**  
EFFECTIVE DATE: JUNE 1, 2015

## **SAFETY DATA SHEET**

### **Safety Data Sheet**

According to 91/155/ECC and OSHA Hazard Communication Std. 29CFR1910.1200 (g), 2008-GHS-Revision (EC) no. 1272/2008

### **SECTION 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

Product Name: ECO CRETE™  
*The information provided in this SDS is for ECO CRETE, a clear liquid with a mild, fruity odor.*

Company: Progressive Solutions Corporation  
2848 Corporate Parkway  
Algonquin, IL 60102  
Phone: 847.639.7272  
USA: 800.801.7832  
Fax: 847.639.7274  
Email: support@4progressive.com

24HR Emergency, Poison Control Center (IN USA): 800.222.1222

### **SECTION 2. HAZARDS IDENTIFICATION**

#### **CLASSIFICATIONS OF THE SUBSTANCE OR MIXTURE**

##### **GHS PRODUCT CLASSIFICATION**

Acute Toxicity, Oral  
Skin Irritation  
Eye Damage/Irritation  
Acute Toxicity, Inhalation

##### **GHS CLASSIFICATION**

Category 5  
Category 2  
Category 2B  
Category 4

SIGNAL WORD: WARNING



#### **Hazard Statements:**

Ingestion H303: Harmful if swallowed.  
Skin H315: Causes skin irritation.  
Eyes H320: Causes eye irritation  
Inhalation H332: Harmful if inhaled.

#### **Precautionary Statements:**

P202: Do not handle until all safety precautions have been read and understood.  
P233: Keep container tightly closed.  
P261: Avoid breathing dust/fume/mist/vapors/spray/aerosol.  
P262: Do not get in eyes, on skin or on clothing.  
P264: Wash hands thoroughly after handling.

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P270: Do not eat, drink, or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection.

P281: Use personal protective equipment as required.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

The precise composition of this mixture is proprietary information. A complete disclosure will be provided to a physician or nurse in the event of a medical emergency.

Component	CAS#	TLV/TWA
=====	=====	=====
Not provided	Not provided	Not Provided

**SECTION 4. FIRST-AID MEASURES**

Eye Contact: P305/P351/P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337/P313: If eye irritation persists: Get medical advice/attention.

Skin Contact: P350: Gently wash with plenty of soap and water.

P303/P361/P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P332/P313: If skin irritation occurs: Get medical advice/attention.

P361/P364: Do not reuse clothing or shoes until thoroughly cleaned.

Inhalation: P304/P341: IF INHALED: If breathing is difficult, remove subject to fresh air and keep at rest in a position comfortable for breathing.

P309/P313: If exposed or you feel unwell, get medical advice/attention.

Ingestion: P301/P331/P330: IF SWALLOWED: Do NOT induce vomiting. Rinse mouth.

P312: Call a POISON CENTER or doctor/physian if you feel unwell.

P315: Get immediate medical advice/attention.

P501: Dispose contents/container in accordance with local/regional/national/international regulation(s).

**SECTION 5. FIRE FIGHTING MEASURES**

Extinguishing Media: This product is not expected to ignite under normal conditions.

Flash Point: Not available

Flash Point Method: Not available

Auto Ignition Temperature: Not available

Flammability Classification: This product is not expected to burn under normal conditions.

Unusual Fire or Explosion Hazards: Not applicable

NFPA Rating: Health – 1 Flammability – 0 Reactivity – 0

HMIS Rating: Health – 2 Flammability – 0 Reactivity – 0

Combustion Products: Carbon monoxide and carbon dioxide can form. Hydrogen chloride. Smoke, Fumes.

Fire Fighting Instructions  
And Equipment: Use acceptable firefighting techniques. Firefighters should wear proper protective equipment and clothing including respiratory protection (positive pressure if available).

**Hazard Rating**

NFPA Code: 0=Least 1=Slight 2=Moderate 3=High 4=Extreme

HMIS Code: 0=Least 1=Slight 2=Moderate 3=High 4=Extreme

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

*Personal Protective Equipment must be worn. See Personal Protection Section 8 for PPE recommendations.*

Spill / Leak Procedures: Stop spill at source if possible. Prevent entry into sewers and waterways. Contain spill. Ventilate area if spilled in a confined space or other poorly ventilated areas. Neutralize spills with lime or soda ash. Residual liquid can be absorbed in inert material. Flush spill area with plenty of water.

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Waste Disposal: Dispose of in accordance with Local, State and Federal Environmental Regulations. Determine waste classification at time of disposal – conditions of use may render the spent product hazardous waste.

**SECTION 7. HANDLING AND STORAGE**

Work/Hygienic Practices: Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene or other harsh or abrasive skin cleaners for washing exposed skin areas. Take a shower after use if general contact occurs. Wash thoroughly after handling. Launder articles before reuse and discard saturated articles that cannot be cleaned thoroughly.

General Handling Procedures: Wear water/oil resistant gloves and protective clothing. (Nitrile or Neoprene). Wear chemical goggles with side shields. Keep containers closed when not in use. Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near containers. Empty containers contain product residue which may exhibit hazards of the product. Maximum handling temperature has not been determined.

Storage Procedures: Keep containers sealed and store upright when not in use. Rotate stock. Store in clean, dry containers at ambient temperatures and it should remain stable unless it is contaminated. Do NOT store at temperatures great than 120°F (49°C). Maximum storage temperature has not been determined. **Protect from freezing.**

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Ventilation Procedures: Use with adequate ventilation to control vapor concentrations.

Skin Protection: As needed to prevent repeated skin contact. Impervious or neoprene gloves should be used when contact can occur. Wash hands thoroughly after handling. A rubber apron or suit is recommended. Use chemically protective boots when necessary to avoid contaminating shoes. Do NOT wear rings, watches or similar apparel that could entrap the material and cause skin irritation.

Eye Protection: Wear safety glasses with side shields or full face shield as needed.

Respiratory Protection: Use NIOSH/MSHA approved respirator with a dust mist cartridge.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Clear liquid with an amber cast at room temperature

Upper/lower flammability or explosive limits: None Known

Odor: Mild, fruity

Vapor pressure: Vapor is water

Odor threshold: Not Determined

Vapor density (Air=1): Vapor is water

pH: 3.2

Relative density: Not Determined

Melting point/freezing point: >208°F, 98°C / 32°F, 0°C

Solubility in water: Soluble

Initial boiling point and boiling range: Not Determined

Flash point: Not Applicable

Specific Gravity (H<sub>2</sub>O=1): 1.29

Evaporation rate: Not Applicable

Flammability (solid, gas): None

Auto-ignition temperature: Not Applicable

Decomposition temperature: Not Applicable

Viscosity: Water like

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% Volatile: Not Applicable

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**SECTION 10. STABILITY AND REACTIVITY**

Stability: Product as supplied is stable.

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Hazardous: Strong oxidizing agents and acids. Do not use with nitrites. Reacts with active metals.

Decomposition Products:

**SECTION 11. TOXICOLOGICAL INFORMATION**

Eye Effects: Will cause irritation on contact, may be severe if not immediately removed.

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Skin Effects: May cause mild irritation on contact. Prolonged or repeated contact, as from wet clothing, may cause drying, defatting of skin and dermatitis. An ingredient in this product may be absorbed through the skin.

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Respiration Irritation: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract and is pronounced from heat. Based on data from components or similar materials.

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Chronic Toxicity: No data available to indicate product or components present at greater than 1% are chronic health hazards.

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Oral Toxicity: Will cause nausea, vomiting and diarrhea if ingested. Acute oral toxicity (LD-50 oral) 1,950 mg/kg.

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Reproductive Toxicity: No data available to indicate either product or components present at greater than 0.1% may cause reproductive toxicity.

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Carcinogenicity: This material is not considered to be carcinogenic under IARC.

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Mutagenicity: No data available to indicate either product or components present at greater than 0.1% are mutagenic or genotoxic.

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Teratogenicity: No data available to indicate either product or components present at greater than 0.1% may cause birth defects.

**SECTION 12. ECOLOGICAL INFORMATION**

Freshwater Fish Toxicity: Slight 24-48 HR LC50, Bluegill Sunfish: 93 MG/L – 96 HR LC50, Fathead Minnows: 164 Mg/L

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Saltwater Fish Toxicity: Not Applicable

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Miscellaneous Toxicity: Not Applicable

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Algal Inhibition: Not Applicable

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Bacteria Toxicity: Not Applicable

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Biodegradation: Yes, (B.O.D.) Test – F Factor (0.28)

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Soil Mobility: Not Applicable

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Bioaccumulation: Not Applicable

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Freshwater Invertebrates Toxicity: Not Applicable

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Eco toxicity: Not Applicable

**SECTION 13. DISPOSAL CONSIDERATIONS**

Product: Comply with Federal, State and Local regulations regarding chemical wastes. Do not flush to drain or storm sewer. Contact authorized disposal service. If approved, neutralize with lime or soda ash and flushed with wastewater treatment system. This material may be a RCRA Hazardous waste due to its corrosive characteristics.

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Packaging, Empty: Unclean containers should be disposed of in compliance with all relevant Federal, State and Local laws and regulations regarding treatment, storage and disposal for hazardous and non-hazardous wastes. Receiver of container should be informed about the potential hazards as described in this Safety Data Sheet.

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**SAFETY DATA SHEET****SECTION 14. TRANSPORT INFORMATION**

U.S. Shipping Information:	<b>CFR 49 Section 173.24:</b> Non Corrosive <b>N.A.C.E. (ASTM G-31):</b> Non Corrosive <b>REGULATION BY: D.O.T. and I.M.O.:</b> Non-Hazardous. <b>H.S. Tarriff #:</b> 3402.90.50.30 <b>Schedule B #:</b> 3402.90.50.30 <b>SHIPPING CLASS:</b> 55 <b>SARA Extremely Hazardous Substance:</b> NO <b>ERCLA Hazardous Substance:</b> NO <b>SARA Toxic Chemical:</b> NO <b>N.M.F.C. #:</b> 48580 – Sub 3 – Cleaning, Scouring or Washing Compounds, N.O.I., Liquid
Canadian Shipping Information:	Not regulated under Transportation of Dangerous Goods Act.

**SECTION 15. REGULATORY INFORMATION**

US TSCA Inventory Status:	The components of this product are listed, or are exempt from TSCA Chemical Substances Inventory. National, State and Local regulations pertaining to prevention of water pollution must be adhered to.
SARA Title III Sec. 302/304 Extremely Hazardous Substances:	This product does not contain substances under section 302/304
SARA Sec. 311/312:	Acute Health Hazard
SARA Title III Sec. 313:	This product does not contain greater than 1% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.
TDG Regulated Limits:	None Known
V.O.C. Compliant:	Yes
Canada:	WHMIS Classification E. All components are in compliance with the Canadian Protection Act and are present on the Domestic Substances List.

**SECTION 16. OTHER INFORMATION**

## Abbreviations:

ACGIH (American Conference of Governmental Industrial Hygienists); ANSI (American National Standards Institute); CAS (Chemical Abstract Service); CERCLA (Comprehensive Environmental Response, Compensation, & Liability Act); CFR (Code of Federal Regulations); CHIP (Chemicals Hazard Information & Packaging for Supply); COC (Cleveland Closed Cup); CONCAWE (European Organization for Environment, Health & Safety); CPR (Controlled Products Regulations); DOL (Department of Labor); EEC (European Economic Community Directives); EINEXS (European Inventory of Existing Commercial Chemical Substances); EL50 (Effective loading rate required to immobilize 50% invertebrate species); ELINCS (European List of New Chemical Substances); EPA (Environmental Protection Agency); EPCRA (Emergency Planning & Community Right-To-Know Act of 1986); EU (European Union); FDA (Food & Drug Administration-USA); GHS (Global Harmonization System); HCS (Hazard Communication Standard); IARC (International Agency for Research on Cancer); ILO (International Labor Organization); LC50 (Lethal Concentration 50% test organisms); LD50 (Lethal Dose 50% test organisms); LVPVOC (Low Vapor Pressure Volatile Organic Compound); MSDS (Material Safety Data Sheet); SDS (Safety Data Sheet); MSHA (Mine Safety & Health Administration); NIOSH (National Institute of Occupational Safety & Health); NTP (National Toxicology Program); NOS (Not Otherwise Specified); OSHA (Occupational Safety & Health Administration); PEL (Permissible Exposure Limit); Prop 65 (California Proposition 65); PMCC (Pensky Martin Closed Cup); RCRA (Resource Conservation & Recovery Act); RTK (Right-To-Know); R-Phrases (EU Risk Phrases); S-Phrases (EU Safety Phrases); SARA (Superfund Amendments & Reauthorization Act); TDG (Transport Dangerous Goods); TSCA (Toxic Substances Control Act); TSL (Toxic Substance List); TLV (Threshold Limit Value); VOC (Volatile Organic Compounds); WHMIS (Workplace Hazardous Materials Information System-Canada); Irl50 (Inhibitory loading rate required to reduce algal growth rate by 50%); Ibl50 (Inhibitory loading rate required to reduce area under growth curve or biomass by 50%); ppm (parts per million); mg/m3 (milligrams per cubic meter); N (no); Y (yes)

Revision Information: Review, update and reformat all sections for compliance with new OSHA SDS requirements.

Prepare By: Jason McMahon Title: President

Approval Date: June 1, 2015 Supersedes Date: May 1, 2014

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