

**Section 1 - Identification of Chemical Product and Company****MANUFACTURED BY:** ECO GREEN SOLUTIONS CO.,LTD.

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**Trade Name:** GREENEX™CSDCooling System Detox**Product Use :** Prevent Scale Formation and Dissolve old Scale in Cooling System**This version issued:** August, 2012 and valid for 2 years from this date**MATERIAL SAFETY DATA SHEET****Section 2 – Hazards Identification**

Product is categorized as NONHAZARDOUS

It is non-flammable, non-explosive, and non-reactive

**Ingestion :** The product is harmful if swallowed. Avoid ingestion.**Eye Contact :** The product may cause eye irritation. Avoid contact with eye.**Skin Contact :** Prolonged or repeated exposure may cause drying and irritation.**Inhalation :** No adverse effects under normal use conditions.**Carcinogens :** Product contains no ingredients listed by OSHA, IARC, or NTP as known or suspected carcinogens.**Section 3 – Composition/Information on Ingredients**

Alkylpolyglycoside (proprietary botanically-based compound)CAS No. 68513-73-1

Citric Acid CAS No .77-92-9

Organic chelating agents, scale &amp; corrosion (Threshold inhibitors)and algae inhibitingThis product is water based, does not contain heavy metal, phosphates and BIODEGRADABLE

**Section 4 – First Aids Measures****General Information:** Use of rubber and eye protection following good manufacturing practices.**Inhalation:** First aid is not generally required If in doubt, contact a Poisons Information Centre or a doctor.**Skin Contact:** Irritation is unlikely. However, the prolonged or repeated exposure may cause drying and irritation.**Eye Contact:** Quickly and gently blot or brush product away .Flush the contaminated eye(s) with lukewarm gently flowing water until the product is remove or until irritation has ceased, while holding the eyelid(s) open. Obtain medical adviceif irritation becomes painful or lasts more than a few minutes.**Ingestion:** If product is swallowed or gets in mouth, wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact Poisons Information Center or a doctor**Section 5 – Fire Fighting Measures****Extinguishing Media :** Not Combustible. This product is water based and non flammable**Flash Point :** Does not burn.**Flammable Limit :** non-flammable.**Auto Ignition Temperature:** Not applicable-does not burn**Specific Hazards :** none **Specific Methods :** Standard fire fighting procedures**Section 6 – Accidental Release Measures**

Steps to be taken in the event material is spilled or released:

Wash with water and dispose in to sewer. Adjustment of pH level may be required before disposal.

**Personal Precautions :** Use of rubber gloves and eye protection is recommended.**Environmental Precautions :** No special requirement.**Section 7 –Handling and Storage****Storage Temperature :** Room temperature or cooler (20<sup>0</sup>C-30<sup>0</sup>C) to avoid separation.**Average Shelf Life :** Two years in original container at room temperature.

Six months when diluted.

**Special Sensitivity :** Avoid prolonged exposure to excessive heat and direct sunlight.**Special Precautions :** Store in original container away from excessive heat and direct sunlight and out of reach of children and pets.

## Section 8 – Exposure Controls and Personal Protection

**Ventilation:** No special ventilation requirements are normally necessary for the product. However make sure that

the work environment remain clean and that vapors and mists are minimized.

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** This information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves when skin contact is likely

**Protective Material Types :** We suggest that protective clothing be made from the following materials.

**Respirator :** Usually ,no respirator is necessary when using this product.

## Section 9 – Physical and Chemical Properties

**Physical Description :** Liquid **Water Solubility :** Completely soluble in water **Viscosity :** 10cp

**Color :** Light Green **Boiling Point :** Approximately <95 °C **pH (1%sol@25°C) :** 1.20-1.95

**Odor :**Lamon Grass Odor **Freezing Melting Point :** Approximately <5° **Evaporation Rate :** 0.01%

**Specific Gravity :** 1.154-1.162 approx **Vapor Pressure :** No data **Conductivity (µS/cm) :** N/E

**Surfactant Content (Brix) :** No data **Auto ignition Temp:** water based **Foaming Characteristic :** moderate

**Oil Emulsion Properties :** N **Total Immersion Corrosion :** None **Total Phosphate in P<sub>2</sub> O<sub>5</sub> :** None

**Volatile Organics Content(s) gm/gm (EPA method 24-24A, 40 C.F.R., part 60 Appendix A) :** No data.

## Section 10 – Stability and Reactivity

**Reactivity:** This product is stable.

**Polymerization :** This product will not undergo polymerization reactions. **Conditions to Avoid :** None Know.

**Incompatibility :**No particular Incompatibilities. **Decomposition Products:** None known

## Section 11 – Toxicological Information

**Acute Toxicity :** None **Local Effects :** None

**Specific Effects :** None

## Section 12 – Ecological Information

This product is not known to cause adverse ecological effect. It is readily biodegradable

## Section 13 – Disposal Consideration

**Disposal:** Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site. This product should be suitable for landfill. However, check with local Waste Disposal Authority before sending there. Note that product properties may have been changed in use, significantly altering it's suitability for landfill. Please do not dispose into sewers or waterway.

## Section 14 – Transport Information

This product is non hazardous for air, sea and road freight.

Contains no regulated ingredients which required special precautions for transportation

## Section 15 – Regulatory Information

No special regulatory condition required. Product complies to all known regulatory considerations.

## Section 16 – Other Information

Greenex™CSDCooling System Detox Products do not contain lead (Pb). Mercury (Hg),Cadmium(Cd), Hexavalent Chromium (Cr6),comply with the limits as set by ROHS Directive 2011/65/EU Annex I I; recasting 2002/95/EC

For further information please contact DISTRIBUTOR BY: CHS-ASIA CHEMICAL CO.,LTD.

Please refer to section 1 for contact information