



## **ESHHC – HYDROCARBON CLEANER / DEGREASER**

**ESHHC** is an environmentally safe, non-hazardous, biodegradable formulation for use in removing fresh and aged petroleum hydrocarbons from both hard and porous surfaces. When used as directed **ESHHC** will effectively clean, liquefy and degrade a wide range of hydrocarbons including gasoline, diesel, motor oil, crude oil, glycol, hydraulic fluid, benzene, toluene, ethyl benzene, xylene, etc. **ESHHC** is safe for use on gravel, sand, railroad ballast, concrete, brick, metal, rubber, plastics, porcelain, wood, textiles, etc. Our Earth Smart Hydrocarbon Cleaner does NOT contain acids, caustics, chemicals, petroleum distillates or VOC's and is D-Limonene free. In addition, **ESHHC** is environmentally friendly and leaves no residue.

### **BENEFITS OF ESHHC:**

- Biodegradable
- Non Toxic - Non Hazardous
- Does not produce fumes
- Non Flammable
- Non Combustible
- Non Corrosive - Contains corrosion inhibitors
- Does not contain VOC's
- Environmentally safe alternative to solvent based cleaners
- Contains no petroleum distillates
- Phosphate free
- Non abrasive
- Deep cleans surfaces – Provides visible results in minutes
- Fast drying
- D-Limonene free
- Leaves no residue
- Enhances the natural degradation processes
- Eliminates unsightly areas
- Reduces potential liability
- Lowers disposal costs
- Certified for use in Southern California
- Can be used in concentrated form or diluted form

***ESHHC IS SAFE FOR USE ON ANY SURFACE THAT IS COMPATABLE WITH WATER***

### **TYPICAL APPLICATIONS:**

- New and aged hydrocarbon spills
- Restaurant and Commercial Kitchens
- Coffee Machines, Ovens
- Hood Fans, Grease Traps
- Oil field equipment
- Railroad ballast
- Locomotives
- Floors, sidewalks, parking lots, storage tanks, filling stations, docks, oil platforms, etc.
- Electric transformers, sumps, machinery, aircraft, rolling stock, etc.

### **VARIOUS APPLICATION TECHNIQUES:**

- Spraying
- Pouring
- Pressure Washing
- Ultrasonic Cleaning
- Parts Washer
- Dipping
- Soaking
- Brushing
- Sponging
- Wiping
- Flooding

### **Note:**

**ESH**C does not vaporize. It is not odorous and does not damage human tissue. It is safe to use in and around food prep areas and commercial kitchens. It is biodegradable and is NOT **DOT** regulated. **ESH**C constituents are NOT CERCLA hazardous (40 CFR 302.4), or SARA toxic (40 CFR 372, subpart D) and unused **ESH**C would not be considered a hazardous waste (40 CFR 261, subparts C, D, Appendix VIII).

### **APPLICATIONS TO HARD SURFACES (concrete, steel, cast, aluminum, wood, glass, etc.):**

1. Dilute at a rate of 1:10 – 1:20 in water and apply to the affected area
2. Allow sufficient contact time (typically, 10 – 20 minutes) for the product to loosen or dissolve deposits. Do not allow to dry - Keep the area moist by misting with diluted solution or water. For aged stains, agitate, using a fibre pad or brush. Typically, the longer the contact time, the less agitation will be required
3. Rinse or flush with water. Where rinsing is not possible, wipe with wet cloth or sponge

### **ADDITIONAL DILUTION RATES:**

Parts Washers - Dilute 1:20

Pressure Washers - Dilute 1:50 to 1:100

Ultrasonic Cleaners - Dilute 1:50

*Note: WARMER TEMPERATURES WILL REDUCE CLEANING TIME*

**Please Note:**

**ESHC** was developed to remove fresh and aged petroleum hydrocarbons from both hard and porous surfaces. Earth Smart Solutions has not tested the effectiveness of **ESHC** to remove Thompson's Water Seal from wood decks and does not guarantee its effectiveness when used for this application.

**SAFETY:**

**ESHC** is produced in accordance with NOSB (National Organic Standards Board) guidelines. The materials used in the production process are derived from naturally occurring and sustainable sources and are consistent with organic principals and the National List of Allowed Substances. **ESHC** does NOT contain synthetic chemicals, animal components, and animal by products, manure or manure by-products. **ESHC** is environmentally safe and is not harmful to animals, plants and humans.

**COMPLIANCE:**

Fully complies with EPA Toxic Substance Control Act (TSCA) and the rules, orders and regulations promulgated there under including:

- a) Sections 4, 5, 6 & 7; Title 40 Chapter 1, 707.20 thru 707.75;
- b) 40 CFR Sections 704.3. 710.2(e) and 720.3(c); and
- c) Sections 5 and 13, reference 42FR64583
- d) Does not contain marine pollutants as defined in 49 CFR 171.8.

**STORAGE & HANDLING:**

Store in a cool location away from direct sunlight - No special handling required

**PACKAGING:**

2 Litre Jug

20 Litre (5 gallon) HDPE Pail

205 Litre (45 gallon) Barrel

1000 Litre Tote