SAFETY DATA SHEET

ESHC – Hydrocarbon Cleaner

I. IDENTIFICATION

GHS Product Identifier: ESHC – Hydrocarbon Cleaner
Other means of identification: Not Available
Product Type: Liquid
Application: Hydrocarbon Degradar / Hard Surface Cleaner
IHC: 3402.20.51.00
Manufacturer Details: Earth Smart Solutions
130 – 60 Industry Way S.E.,
Calgary, AB, CA. T3S 0A2
Toll Free: 1-866-444-7174
Fax: 403-264-9606
Email: info@earth-smart-solutions.com

II. HAZARD IDENTIFICATION

Classification of the substance or mixture: Not classified
GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms: Not applicable
Signal word: No signal word
Hazard statements: No known significant effects or critical
Precautionary statements
Prevention: Not applicable
Response: Not applicable
Storage: Not applicable
Disposal: Not applicable

III. COMPOSITION

Chemical characterization: Mixtures
Other means of identification: Not available
Additional information: There are not ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listen in section 8.

IV. FIRST AID MEASURES

Eye Contact: May cause irritation. Contact lenses should not be worn when working with chemicals.
First Aid: Immediately flush eyes with water, continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Recommended Precautions: Wear appropriate safety goggles and limit exposure.

Skin Contact: None.
First Aid: Remove contaminated clothing. Wash affected area with soap and water. Wash clothing before reuse.
Recommended Precautions: Limit exposure.
Ingestion: Considered non-toxic but may lead to nausea or diarrhea.
First Aid: Wash out mouth with water. If material has been swallowed, give two glasses of water to dilute product,
DO NOT induce vomiting. Contact physician immediately.
Recommended Precautions: Store in safe place. Wear protective mask.

Inhalation: Exposure to airborne concentrations above statutory or recommended exposure limits may cause
irritation of the nose, throat and lungs.
First Aid: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Maintain an open
airway. Loosen tight clothing such as collar, tie, belt or waistband.
Recommended Precautions: Avoid creating dust in non-ventilated areas.

General Precautions: Wash hands after handling free product.

V. FIRE – FIGHTING MEASURES

Extinguishing Media: Water, foam, CO2, or dry chemical may be used. Fight larger fires with water spray or alcohol
resistant foam.
Unsuitable Extinguishing Media: None known.
Special hazard arising from the substance or mixture: In a fire or if heated, a pressure increase will occur, and the
container may burst.
Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and
self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

VI. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up
Small spills: Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste
disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to
authority requirements.

Large spills: Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste
disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to
authority requirements. Check disposal regulations when disposing of large quantities.

Reference to other sections:
➢ See section 7 for information on safe handling
➢ See section 8 for information on personal protection equipment
➢ See section 13 for disposal information

VII. STORAGE & HANDLING

Storage: Store in dry, cool, and well-ventilated area, and out of direct sunlight. Storage temperature should be
between 41°F and 104°F (5°C and 40°C). Do not freeze.
Handling: No special handling required. Ensure containers remain sealed after use.

Advice on General occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this
material is handled, stored and processed.
ESHC – Hydrocarbon Cleaner

VIII. EXPOSURE CONTROL

Occupational exposure limits: None
Appropriate engineering controls: Good general ventilation should be enough to control worker exposure to airborne contaminants

Individual protection measures
Hand protection: Chemical-resistant, Impervious gloves should be worn always when handling chemical products.
Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risk involved.
Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.
Respiratory protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification

IX. PHYSICAL / CHEMICAL PROPERTIES

Physical state: Liquid
Color: Blue / Orange
Odor: Neutral
Odor threshold: Not determined
PH: 7.5 – 8.0 when mixed with water
Melting point: Not applicable
Boiling point: Not applicable
Flash Point: None
Evaporation rate: Not determined
Flammability (solid, gas): Not determined
Lower and upper explosive: Not determined
Vapor pressure: Not determined
Vapor density: Not determined
Relative density: Not determined
Solubility in water: 99.9 %
Partition coefficient: n-octanol/water: Not determined
Auto-ignition temperature: Not applicable
Decomposition temperature: Not determined
Viscosity: Not determined
Flow time (ISO 2431): Not determined

X. STABILITY & REACTIVITY INFORMATION

Chemical stability: Stable.
Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid: Accumulation of product in confined area.
Incompatible materials: Normally un-reactive; however, avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials reactive with hydroxyl compounds.
XI. TOXICOLOGICAL INFORMATION

Acute toxicity: Not available

Primary irritant effect
on the skin: No irritating effect.
on the eye: No irritating effect.
Sensitization: No sensitizing effects known.

Additional toxicological information
Carcinogenicity: Not available
Reproductive toxicity: Not available
Teratogenicity: Not available
Specific target organ toxicity (single exposure): Not available
Specific target organ toxicity (repeated exposure): Not available
Aspiration hazard: Not available

Information on the likely routes of exposure: Routes of entry anticipated: Oral, Dermal
Routes of entry not anticipated: Inhalation

Symptoms related to the physical, chemical and toxicological characteristics
Eye contact: No specific data
Inhalation: No specific data
Skin contact: No specific data
Ingestion: No specific data

Delayed and immediate effect and chronic effects from short- and long-term exposure
Short term exposure: Not available
Long term exposure: Not available
Potential chronic health effects: Not available

XII. ECOLOGICAL INFORMATION

Toxicity
Aquatic toxicity: No further relevant information available
Persistence and degradability: No further relevant information available

Behavior in environmental systems
Bio accumulative potential: No further relevant information available.
Mobility in soil: No further relevant information available.

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects: No further relevant information available
XIII. DISPOSAL INFORMATION

Disposal Methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirement of all authorities with jurisdiction. Waste packaging should be recycled.

XIV. TRANSPORT CONSIDERATIONS

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Special precautions for user: Transport within user’s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

XV. REGULATORY INFORMATION

Canadian lists
Canadian NPRI: None of the components are listed
CEPA Toxic substance: None of the components are listed

International regulations
Chemical Weapon Convention List schedules I, II, & III Chemicals: Not listed
Stockholm Convention on Persistent Organic Pollutants: Not listed
Rotterdam Convention on Prior Informed Consent (PIC): Not listed
UNECE Aarhus Protocol on POPs and Heavy Metals: Not listed

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.

XVI. OTHER INFORMATION

Information sources: Suppliers MSDSs, DSL, TSCA, EPA, IARC, NTP, OSHA.
Prepared By: SDS Coordinator
Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bio accumulative and Toxic
vPvB: very Persistent and very Bio accumulative