



# MATERIAL SAFETY DATA SHEET

## ESHC – Hydrocarbon Degradar

### I. PRODUCT IDENTIFICATION

**Product Identifier:** ESHC – Hydrocarbon Degradar  
**Product Code:** 6621-10  
**Designation:** CLASS 60 - NON-HAZ  
**Application:** Oil Spill Cleanup – Bioremediation  
**IHC:** 3402.20.51.00  
**Manufacturer:** Earth Smart Solutions  
**Address:** 120 – 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. HAZARDOUS INGREDIENTS

**Hazardous Components:** None – GRAS (Generally recognized as safe)

### III. PHYSICAL / CHEMICAL DATA

**Physical state:** Free-flowing Powder  
**Plate Count:** 5 x 10<sup>9</sup>  
**Color:** Brown  
**Odor:** Yeast like odour  
**Bulk Density:** 0.6 - 0.8 gr/cc  
**Water Solubility:** Moderate - disperses in water  
**pH:** 6.0 to 7.0 when mixed with water

### IV. FIRE & EXPLOSION DATA

**Flammable or combustible:** Not flammable or combustible  
**Flash point (deg. C):** None  
**Upper flammable limit:** Not applicable  
**Lower flammable limit:** Not applicable  
**Auto ignition temperature:** Not applicable  
**Flammability classification:** Not applicable  
**Conditions of flammability:** Not applicable  
**Special fire fighting procedures:** None  
**Hazardous combustion products:** None  
**Sensitivity to mechanical impact:** Not sensitive  
**Sensitive to static discharge:** Not sensitive

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### V. REACTIVITY DATA

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Accumulation of product in confined area
<b>Hazardous Byproducts:</b>	None
<b>Hazardous Polymerization:</b>	Will not occur
<b>Incompatibility:</b>	Acids or alkalis

### VI. TOXICOLOGICAL PROPERTIES

<b>Primary routes of exposure:</b>	Eye contact and Ingestion
<b>Sensitizer:</b>	Not known to be a sensitizer
<b>Carcinogen:</b>	No – IARC, NTP, OSHA
<b>Mutagen:</b>	Not known to be a mutagen

### VII. HEALTH HAZARDS

<b><u>Eye Contact:</u></b>	May cause irritation
<b>First Aid:</b>	Flush with water - Contact a physician as required
<b>Recommended Precautions:</b>	Safety goggles as needed. Avoid creating dust in an enclosed environment
<b><u>Skin Contact:</u></b>	Exposure can cause irritation if a person has a history of dermal allergic reaction
<b>First Aid:</b>	Wash with soap and water
<b>Recommended Precautions:</b>	Limit exposure
<b><u>Ingestion:</u></b>	Considered non toxic but may lead to nausea or diarrhea
<b>First Aid:</b>	Give water or milk to dilute product, do not induce vomiting. Contact physician as required
<b>Recommended Precautions:</b>	Store in safe place. Wear protective mask as required
<b><u>Inhalation:</u></b>	May cause Irritation
<b>First Aid:</b>	Move to fresh air - Contact a physician as required
<b>Recommended Precautions:</b>	A void creating dust in confined areas – Store in a safe place
<b>General Precautions:</b>	Use common sense - Wash hands after use

### VIII. PREVENTION MEASURES

<b>Gloves:</b>	No special requirements
<b>Respirator:</b>	No special requirements
<b>Eye protection:</b>	No special requirements
<b>Footwear:</b>	No special requirements
<b>Clothing:</b>	No special requirements
<b>Other:</b>	No special requirements
<b>Engineering controls:</b>	No special requirements



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**Leak & Spill procedures:** Flush away with water  
**Waste Disposal:** Flush to sewer  
**Special shipping information:** NON –HAZ, None required

### IX. STORAGE AND HANDLING OF PRODUCT

**Storage:** Store in cool, dry conditions away from direct sunlight  
**Handling:** No special handling required.

### X. 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

### XI. CONTROL MEASURES

**Waste Disposal:** Small spills can be washed away with water. Large spillages, if contained, can be returned to container  
Check with regulators before disposing of large quantities.  
**Ventilation:** Mechanical (General)

### XII. PREPARATION DATA

**Information sources:** Suppliers MSDSs, DSL, TSCA, EPA, IARC, NTP, OSHA.  
**Preparation Date:** January 4, 2001  
**Last Revised:** July 15, 2012

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