



## MATERIAL SAFETY DATA SHEET

### SECTION 1

### PREPARATION INFORMATION

#### SUPPLIER/MANUFACTURER

Eco Global Solutions, Inc.  
4500 Campus Dr. Suite 208  
Newport Beach, CA 92660

#### PHONE NUMBERS

Business Hours: (949) 955-1039  
24 Hours: Chemtrec: (800) 424-9300  
General MSDS: (949) 955-1039

### SECTION 2

### PRODUCT INFORMATION

Product Name: **EGS CATALYST (Hydrocarbon Combustion Catalyst)**  
General/Generic: Solvent Blend  
Product Use: Combustion Catalyst for Hydrocarbon Fuels  
WHMIS Classification: B3 D2B  
DSL Status: ON DSL

### SECTION 3

### SHIPPING INFORMATION

Shipping Name: NOT REGULATED AS DANGEROUS GOODS FOR SHIPPING  
UN Number: N/A  
Class: N/A  
Packing Group: N/A

### SECTION 4

### HAZARDOUS INGREDIENT (S)

Ingredient:	% W/W	TLV	CAS No.
Naphtha Petroleum:	60-100	100 PPM (*)	64742-94-5
Naphthalene	3-7	10 PPM	91-20-3
Organometallic Compounds:	1-5	10 MG / M3	N/A (Blend)
1,2,4 Trimethylbenzene:	0.1-1	25 PPM	95-63-6

### SECTION 5

### PHYSICAL DATA

Initial Boil Point 255°C @ 760 MMHG  
Vapor Pressure <1 psi  
Vapor Density 5.3 (air =1)  
Evaporation Rate Slower than ether  
Physical State Powder  
Odor Threshold N/E  
Freezing Point N/E  
Specific Gravity 1.04  
% Volatile 100%  
Appearance and Odor Powder



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### SECTION 6

### FIRE & EXPLOSION INFORMATION

<b>Flash Point</b>	Closed cup 110°C
<b>Flammable Limits</b>	LFL: 0.9%      UFL: 6.0%
<b>Auto Ignition Temperature</b>	N/E
<b>Extinguishing Media</b>	Foam, water fog, dry chemical or carbon dioxide
<b>Hazardous Combustion Products</b>	Carbon dioxide and carbon monoxide, various hydrocarbons, etc

#### FIRE FIGHTING PROCEDURES

Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

#### SPECIAL FIRE & EXPLOSION HAZARDS

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handing point.

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred.

### SECTION 7

### TOXICOLOGICAL PROPERTIES

**Threshold Limit Value**      See section 4

#### EFFECT OF ACUTE EXPOSURE

<b>Eyes</b>	May cause severe irritation, redness, tearing and blurred vision
<b>Skin</b>	May cause irritation
<b>Breathing</b>	Excessive inhalation of vapors may cause nasal and respiratory irritation
<b>Swallowing</b>	Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis, which can be fatal.

#### OTHER DATA

Solvent Naphtha	LD:50 (ORL-RAT)	3000 MG / KG
(Petroleum) Heavy	LD:50 (SKN-RBT)	3000 MG / KG
Aromatic	LC:50 (INH-RAT)	>3800 MG / M3 / 4H
NAPHTALENE	LD:50 (ORL-RAT)	>490 MG / KG
	LD:50 (SKN-RBT)	>20 G / KG
	LC: 50 (INH-RAT)	>340 MG / M3 / 4H



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### SECTION 8

### FIRST AID MEASURES

#### FIRST AID

<b>Skin</b>	Thoroughly wash exposed area with soap and water. Remove contaminated clothing before reuse.
<b>Eyes</b>	Flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention.
<b>Swallowed</b>	Do not induce vomiting, keep person warm, quiet and get medical attention. Aspiration of material into lungs due to vomiting can cause chemical pneumonitis, which can be fatal.
<b>Inhaled</b>	If affected, remove individual to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.

### SECTION 9

### REACTIVITY DATA

<b>Hazardous Polymerization</b>	Cannot occur
<b>Stability</b>	Stable
<b>Incompatibility</b>	Avoid contact with strong oxidizing agents, sulfuric acid, nitric acid
<b>Hazardous Decomposition Products</b>	Not applicable

### SECTION 10

### PREVENTATIVE MEASURES

#### STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED

##### Small Spill

Absorb onto sand or other absorbent material. Place in a closed container and hold for waste disposal.

##### Large Spill

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks) persons not wearing protective equipment should be excluded from the area of spill until clean up has been completed. Stop spill at source: dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

#### WASTE DISPOSAL METHOD

##### Small Spill

Deposit in landfill in accordance with all local and provincial and federal regulations

##### Large Spills

Destroy by incineration in accordance with all local, provincial and federal regulations.



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### Respiratory Protection

If workplace exposure limit (s) of product or any component is exceeded (see section 6) a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier) engineering or administrative controls should be implemented to reduce exposure.

### Ventilation

Provide sufficient mechanical (general and or local exhaust) ventilation to maintain exposure below TLV (s)

### Protective Gloves

Wear resistant gloves such as polyethylene

### Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised: however, OSHA regulations also permit other type of safety glasses. (consult your safety equipment supplier)

### Other Protective Equipment:

To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

### Product Disposal Information

This product may be classified as a liquid industrial waste or a registerable solid waste and may be subject to waste generator requirements.

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Metal and plastic container may be recycled. Please contact your drum reconditioner for further information.

The information presented herein is believed to be accurate, but is not warranted to be, whether originating with the company or not, recipients are advised to confirm, in advance of need, that the information is current, applicable, and suitable to their circumstances.

Prepared by:

Eco Global Solutions, Inc. & its affiliate companies

Date Prepared:

March 16, 2009

### NOTE:

- \* Recommended
- N/E—Not Established
- N/A—Not Applicable