



## Safety Data Sheet

# ECONO KLEAN ENGINE SHAMPOO

### Section 1. Identification

**Product Use:** WATER BASE ENGINE DEGREASER  
**Date Issue:** 12/8/15      **Supersedes:** 3/5/15

**Emergency Telephone Numbers:** INFOTRAC 1-800-535-5053  
**Prepared By:** Chem Quest, Inc.  
**Website:** [www.chem-quest.com](http://www.chem-quest.com)  
**E-mail:** [chemquest@roadrunner.com](mailto:chemquest@roadrunner.com)

### Section 2. Hazard(s) identification

#### HMIS Hazard Rating

0 = Insignificant      1 = Slight      2 = Moderate      3 = High      4 = Extreme

<b>HEALTH</b>	<b>1</b>	<b>FLAMMABILITY</b>	<b>0</b>	<b>REACTIVITY</b>	<b>0</b>	<b>SPECIFIC HAZ.</b>	<b>0</b>
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#### Emergency overview

**Acute Effects**      **Routes of Entry**      Dermal contact. Eye contact.

**Eyes**      Liquid in eye may cause irritation with possible damage if not rinsed immediately. Inflammation of the eye is characterized by redness, watering and itching.

**Skin**      May cause skin irritation. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

**Inhalation**      Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory Irritation.

**Ingestion**      May cause gastrointestinal disturbances. May cause burns to mouth, throat and stomach.

**Chronic effects**      Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness.

**Additional Information: See Toxicological Information (Section 11)**

### Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS Number	Weight
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	<5%
HYDROTREATED LIGHT PETROLEUM DISTILLATES; paraffinic, naphthenic solvent	64742-47-8	<10%

**Section 4. First Aid Measures**

**Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

**Skin Contact** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops.

**Inhalation** Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

**Flash Point** NONE

**Flammable Limits** N/A

**Flammability** Non-Flammable

**Fire hazard** None

**Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire.

**Section 6. Accidental Release Measures**

**Spills** Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container

**Disposal Method** Dispose of in accordance with state, federal, or local Regulations.

**Section 7. Handling and Storage**

**Handling** Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Do not breathe vapor or mist. Do not ingest. Do not reuse container. Wash thoroughly after handling.

**Storage** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C).

**Keep out of the reach of children.**

**Section 8. Exposure Controls/Personal Protection****Product name**

ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve

HYDROTREATED LIGHT PETROLEUM DISTILLATES; paraffinic

**Personal Protection**

**Eyes** Safety Goggles.

**Body** Recommended: Neoprene gloves. Rubber gloves. Nitrile gloves.

**Respiratory** Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

**Exposure limits**

**ACGIH TLV (United States).**

TWA: 20 ppm 8 hour(s). Form:

**OSHA PEL (United States). Skin**

TWA: 50 ppm 8 hour(s). Form:

**Supplier Suggested (United States).**

TWA: 100 ppm 8 hour(s).

**Section 9. Physical and Chemical Properties**

**Boiling Point** 212°F

Vapor Pressure (@200C)	N/A
Vapor Density (Air=1)	<1
Solubility in H <sup>2</sup> O	Complete
Specific Gravity	.99
Evaporation Rate (Acetone=1)	<1
pH	12.5
Appearance and Color	Red Liquid – Slight Petroleum Odor

### Section 10. Stability and Reactivity

Chemical Stability	Stable
Conditions to Avoid	None
Materials to Avoid	Strong Acids
Hazardous Polymerization	None
Hazardous Decomposition Products	Burning may produce carbon monoxide and/or carbon dioxide.

### Section 11. Toxicological Information

#### Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Ethylene Glycol Mono butyl Ether	LD50 Dermal	Rabbit	680 mg/kg	-
	LD50 Oral	Rat	1746 mg/kg	-
	LC50 Inhalation Vapor	Rat	450 ppm	4 hours

### Section 12. Ecological Information

Environmental Effects:	No known significant effects or critical hazards.
Aquatic Ecotoxicity:	Not available.

### Section 13. Disposal Considerations

#### Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream	N/A
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### Section 14. Transport Information

UN or NA Number	None
DOT Shipping Name	Cleaning Compound – Non-Regulated Material
Reportable Quantity	None
Other Precautions	None

### Section 15. Regulatory Information

#### Federal and State Regulations:

SARA 313 toxic chemical notification and release reporting:

#### Product Name:

Ethylene Glycol Monobutyl Ether

**Clean Water Act (CWA) 307:** No products were found.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

State Regulations  
California Prop 65

No products were found.

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**Section 16. Other Information**

The information on this data sheet represents our current data and best opinions as to the proper use and handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any process is the responsibility of the user.

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