

# MATERIAL SAFETY DATA SHEET

BODIE-HOOVER PETROLEUM CORP.  
P.O. Box 698  
Lemont, IL 60439  
(630) 257-7781

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Date Prepared: 5/10/00  
Replaces: 2/16/96

Emergency Telephone Number: 800-424-9300 ( Chemtrec )

## I. Product Identification

Name: SEALED POWER HEAVY DUTY DIESEL ANTIFREEZE

Product Code: BH21200F

### HMIS

Health	2*
Flammability	1
Reactivity	0
PPE	B

## II. Composition and Hazard Information

<u>Component</u>	<u>CAS Registry</u>	<u>%</u>
Ethylene Glycol	107 - 21- 1	95
Hazardous component < 1%	-----	2
Non -hazardous component	-----	3

### Exposure Limits

Ethylene Glycol  
(CAS 107211)

### PEL

50 ppm

### ACGIH

50 ppm

Ceiling

## III. Physical Data

Boiling Point:	>190 C	Solubility in H2O	100%
Vapor Pressure	< 0.1 mm Hg @ 20 C	Melting Point	N. A.
Spec Gravity (H2O = 1)	1.12 - 1.13	Evaporation Rate	
Vapor Density (air=1)	2.1	(BuAc= 1)	< 1
Appearance and odor	Thin, blue-green liquid; mild, sweet odor		

## IV. Health Hazard Data

**Eye Contact** Liquid, vapor or mist may cause slight irritation. Serious corneal injury not expected.

**Skin Contact** No evidence of harmful effects.

**Inhalation** Exposure to spray or mists may cause mucus membrane irritation. High vapor concentrations may cause nausea, vomiting, headache, dizziness and irregular eye movements

**Ingestion \*** May cause abdominal discomfort or pain, nausea, vomiting, dizziness, drowsiness, lumbar pain, oliguria, uremia, convulsions and coma. Cardiac failure and pulmonary edema may develop. Ingesting large amounts may cause severe kidney damage, liver damage and may be fatal.

**Emergency and First Aid Procedures**

<b>Eye Contact</b>	Immediately flush eyes with water for several minutes. Seek medical attention
<b>Skin Contact</b>	Remove and wash contaminated clothing. Wash skin with soap and water. If irritation persists seek medical attention
<b>Inhalation</b>	Remove to fresh air. Obtain medical attention if symptoms persist.
<b>Ingestion</b>	If patient is conscious, give two glasses of water and induce vomiting. Obtain medical attention <b>immediately</b> . If patient is unconscious obtain medical attention <b>immediately</b> . Do not induce vomiting or give anything by mouth to an unconscious person.

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**V. Fire and Explosion Hazard Data**

<b>Flash Point</b>	120 C (COC)	<b>Flammable limits in air</b>	
		<b>LEL</b>	3.2
		<b>UEL</b>	15.3
<b>Extinguishing media</b>	Alcohol type, or all-purpose type foam. Dry chemical or CO2 for small fires.		
<b>Special fire fighting procedures</b>	Use self contained breathing apparatus and protective clothing, do not direct a solid stream of water or foam into a burning pool of liquid.		

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**VI. Reactivity Hazard Data**

<b>Stability</b>	Stable
<b>Conditions to avoid</b>	Open sparks or flame, strong oxidizing agents
<b>Incompatibility</b>	Explosive decomposition may occur if combined with strong acids or strong bases, and/or strong oxidizing agents.
<b>Decomposition products</b>	Carbon dioxide and/or carbon monoxide
<b>Hazardous polymerization</b>	Will not occur

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**VII. Environmental Procedures****Steps to be taken if material is spilled or released**

Wear appropriate personal protective equipment. Dike to contain spill. Collect for disposal. All clean up and disposal should be carried out in compliance to local, state and federal regulations.

**Waste Disposal Method**

Incineration is the preferred disposal route. Check with local, state and federal authorities before taking a specific action.

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**VIII. Handling and Storage**

Use with adequate ventilation. Wash thoroughly after handling. Do not store in open or unlabeled containers. Keep out of reach of children and animals. Do not store near heat or flames. Store away from incompatible materials.

**IX. Special Protection**

<b>Ventilation</b>	Maintain sufficient mechanical and/or local exhaust necessary to keep exposure below the TLV.
<b>Respiratory</b>	Use NIOSH approved face mask with organic vapor cartridge (not for use in fire-fighting) and dust or mist pre-filter.
<b>Gloves</b>	Use chemical resistant (butyl rubber or PVC coated rubber) gloves
<b>Eyes</b>	Chemical splash goggles or full face shield
<b>Other</b>	Use chemical resistant apron to prevent clothing from contamination. Eyewash stations should be available. Launder contaminated clothing prior to re-wearing.

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**X. Transportation and Regulatory Information****Package containing less than 5000 lb. are not DOT regulated**

<b>DOT Hazard Class</b>	Class 9
<b>Shipping Name:</b>	Environmentally Hazardous substance, liquid, NOS
<b>I. D. Number</b>	UN 3082
<b>CERCLA</b>	Requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities in 40 CFR 302.4 Component present in this product at a level which could require reporting: Ethylene Glycol, CAS: 107-21-1
<b>SARA Title III</b>	Product contains a toxic chemical subject to the reporting requirements of section 313 of Title III of the <i>Superfund Amendments and Reauthorization Act of 1986</i> and <i>40 CFR part 372</i>
<b>RCRA Hazardous Waste number</b>	Not Applicable

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