

**MATERIAL SAFETY DATA SHEET**  
**Required under USDL Safety and Health Regulations**

**SECTION I - CHEMICAL COMPANY AND PRODUCT IDENTIFICATION**

**POWER SERVICE PRODUCTS**  
**P.O. BOX 1089**  
**WEATHERFORD, TEXAS 76086**  
**817/599-9486 e-mail: [psp@powerservice.com](mailto:psp@powerservice.com)**

**Product Name:** CLEAR DIESEL FUEL AND TANK CLEANER  
**Synonyms:** DIESEL FUEL ADDITIVE  
**Generic/Chemical Name:** ALIPHATIC HYDROXY COMPOUNDS  
**MSDS Preparation Date:** March 22, 2007 – supersedes November 8, 2006  
**Emergency Phone Number:** Within USA 800/424-9300  
Outside USA 1-703/527-3887 (Call Collect)

**SECTION II - COMPOSITION/INFORMATION OF INGREDIENTS**

<u>INGREDIENT</u>	<u>PERCENT</u>
ALIPHATIC HYDROXY COMPOUNDS	85 – 89
PETROLEUM HYDROCARBONS	10 – 14
HINDERED PHENOLIC COMPOUNDS	1 – 2

This product is a proprietary complex mixture of petroleum Aliphatic Hydroxy Compounds. Specific chemical information is being withheld as a Trade Secret. Specific chemical information will be made available to health professionals in accordance with 29 CFR 1910.1200.

**SECTION III - HAZARD IDENTIFICATION**

**EMERGENCY AND FIRST AID PROCEDURES:** If overcome by vapors, remove from exposure immediately, call a physician. If breathing is irregular or stopped, start resuscitation, administer oxygen. If swallowed, do not induce vomiting; call a physician. Remove contaminated clothing and wash skin with soap and water. Flush eyes with water until irritation subsides.

**PRIMARY ROUTE (S) OF ENTRY:** Absorbed through the skin, eye contact, inhalation and ingestion

**VARIABILITY AMONG INDIVIDUALS:** Health Studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. Exposure to liquids, vapors, mists and fumes should be avoided.

**NATURE OF HAZARD AND TOXICITY INFORMATION:** Prolonged or repeated skin contact with this product tends to remove skin oils possibly leading to irritation and dermatitis. Potential risk to humans can be minimized by observing good work practices and personal hygiene procedures generally

recommended for petroleum products. The product has a low order of acute toxicity, but minute amounts aspirated into the lungs during ingestion may cause severe pulmonary injury or death.

#### **SECTION IV - FIRST AID MEASURES**

**EYE CONTACT:** Flush eyes with large amounts of water for at least 15 minutes. Irrigate eyes thoroughly lifting eyelids and rolling eyeballs. Immediate medical attention is required. Can cause permanent eye injury if above directions are not followed.

**SKIN CONTACT:** Immediately flush with large amounts of water, use soap if available. Remove contaminated clothing, including shoes and laundry before re-use. Discard contaminated shoes, belts and other articles made of leather.

**INHALATION:** Using proper respiration protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention. Inhalation of vapor or mist can cause irritation of nose, throat and lungs.

**INGESTION:** Do not induce vomiting. Keep at rest. Get prompt medical attention. Drink large amounts of fluid, such as water, milk or gelatin solution. Never give anything by mouth to an unconscious person.

#### **SECTION V - FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT** .....75°F (TCC) Min. 23.9°C.

**FLAMMABLE LIMITS:** lower .....2 upper .....12

**EXTINGUISHING MEDIA:** Alcohol resistant foam, dry chemical, CO<sub>2</sub>, waterspray or fog.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use air-supplied rescue equipment or self-contained breathing apparatus and protective suit. Do not breathe fumes. Cool exposed containers with water.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Even though the material does not react easily with strong oxidants, do not store or mix with strong oxidants or combustible liquids. Contain run-off.

**EMPTY CONTAINERS CONTAIN FLAMMABLE VAPORS: “DO NOT USE CUTTING TORCH EQUIPMENT OR ANY OTHER FLAME ON ANY EMPTY CONTAINER”.**

#### **SECTION VI - ACCIDENTAL RELEASE PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove all ignition sources. Keep people away. Recover free liquid. Add absorbent to spill area. Avoid breathing vapors. Ventilate enclosed spaces. Open all windows and doors. Keep product out of public sewers, streams and waterways.

**SECTION VII - HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep containers closed. Keep away from heat, sparks and open flames.

**CONTAINERS ARE STRICTLY “SINGLE TRIP CONTAINERS.” THEY ARE NOT TO BE USED FOR ANY REASON AFTER BEING EMPTIED.**

OTHER PRECAUTIONS: Avoid breathing vapors. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; wash before re-use. Wash skin with soap and water after contact.

**SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

OSHA PEL TWA	
PPM	mg/m3
300	1100

Carcinogen - NTP Program .....N/A  
Carcinogen - IARC Program .....N/A

EFFECTS OF OVEREXPOSURE: Avoid breathing vapor. Handle only in well-ventilated open area. Inhalation of high vapor concentrations may have results ranging from dizziness and headaches to unconsciousness. Prolonged or repeated liquid contact will dry and defat the skin leading to irritation and dermatitis. Could be fatal if swallowed and symptoms may be delayed. Symptoms: not limited to redness of face and neck, depression, dizziness, vomiting, loss of coordination, slurred speech, drowsiness and stomach pain.

RESPIRATORY PROTECTION (Specify type): Organic or Hydrocarbon vapor respirator or supplied-air hose if needed. Typical use of this material does not result in workplace exposures that exceed the exposure limits.

VENTILATION:

- LOCAL EXHAUST .....Face velocity > 60 fpm
- MECHANICAL (General) .....Explosion - proof ventilation equipment.
- SPECIAL .....Use only with adequate ventilation.
- OTHER .....No smoking or open flames.

PROTECTIVE GLOVES: Use chemical resistant Nitrile and Butyl rubber gloves when handling product. Rinse and remove gloves immediately after use. Wash hands with soap and water. Product is a possible skin sensitizer.

EYE PROTECTION: Wear safety chemical goggles or face shields where splashing may occur.

OTHER PROTECTION EQUIPMENT: Organic or Hydrocarbon insoluble chemical resistant apron.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT .....	200 - 248°F
VAPOR PRESSURE (mmHG).....	15 mmHg @20C est.
VAPOR DENSITY (AIR =1).....	3.0 est.
SOLUBILITY IN WATER .....	Partial
SPECIFIC GRAVITY (H2O =1) .....	0.81
PERCENT, VOLATILE BY VOLUME (%) .....	100
APPEARANCE .....	Straw Yellow
ODOR .....	Alcoholic
STABILITY .....	Stable
HAZARDOUS DECOMPOSITION PRODUCTS .....	Will not occur
HAZARDOUS POLYMERIZATION .....	Will not occur
MARINE POLLUTANT.....	No

**SECTION X - STABILITY AND REACTIVITY**

CONDITIONS TO AVOID:

1. Prolonged or repeated breathing of vapors
2. Contact with eyes
3. Prolonged or repeated contact with skin

**SECTION XI - TOXICOLOGICAL INFORMATION**

This product contains the following reportable chemicals that are subject to the reporting requirements of SARA 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (40 CFR Part 372).

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>Max %</u>
2-Butanol	78-92-2	30.00
n-Butanol	71-36-3	15.00

Section 311/312 Hazard Class – 40 CFR 370.2

Immediate (X) Delayed (X) Fire (X) Reactive ( ) Sudden Release of Pressure ( )

Chronic Effects on Humans: Blood, Kidney, Liver and Reproductive System.

**SECTION XII - ECOLOGICAL INFORMATION**

THIS PRODUCT DOES NOT CONTAIN ANY OZONE DEPLETING CHEMICALS

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**SECTION XIII - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL: This product, if discarded, may become a hazardous waste under CERCLA. Use the following information:

Proper Shipping Name: **RQ Waste Flammable Liquid n.o.s.**  
Class: **3**  
I.D. Number: **UN 1993**  
Pk Group: **III**  
RCRA WASTE Number: **D001**

Typical disposal is supervised incineration in a furnace or in a chemical disposal area in compliance with Federal, State and Local Laws.

#### **SECTION XIV - TRANSPORTATION INFORMATION**

##### **DOT:**

Part # 9225 – 32 oz. (cases)

Part # 9241 – 96 oz. (cases)

PROPER SHIPPING NAME: **CONSUMER COMMODITY**

HAZARD CLASS: **ORM-D**

I.D. NUMBER: **NOT REQUIRED**

PACKING GROUP: **NOT REQUIRED**

PLACARDING: **NOT REQUIRED**

SPECIAL PACKING: **NOT REQUIRED**

Part # 9250 – 2.5 gallon (cases)

Part # 9255 – 55 gal. (drums)

PROPER SHIPPING NAME: **FLAMMABLE LIQUID, N.O.S. (ALIPHATIC HYDROXY COMPOUNDS)**

HAZARD CLASS: **3**

I.D. NUMBER: **UN 1993**

PACKING GROUP: **III**

PLACARDING: **FLAMMABLE LIQUID**

##### **IATA:**

Packaging not suitable to be shipped by Air.

##### **IMDG:**

Proper Shipping Name: **FLAMMABLE LIQUID, N.O.S. (ALIPHATIC HYDROXY COMPOUNDS)**

HAZARD CLASS: **3**

I.D. NUMBER: **UN 1993**

PACKING GROUP: **III**

PLACARDING: **FLAMMABLE LIQUID**

**Note: Part Numbers 9225 and 9241 qualify for LTD QTY**

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#### **SECTION XV - REGULATORY INFORMATION**

RIGHT TO KNOW TIER II REPORTING INFORMATION SECTION 311-312

CHEMICAL DESCRIPTION: **ALIPHATIC HYDROXY COMPOUNDS**  
COMMON (LABEL) NAME: **CLEAR DIESEL FUEL AND TANK CLEANER**  
TYPE OF PRODUCT: **SOLUTION - LIQUID**  
PHYSICAL HAZARD: **FIRE**  
HEALTH HAZARD: **IMMEDIATE (ACUTE)**  
REACTIVITY: **NONE**  
EXTREMELY HAZARDOUS SUBSTANCES: **NONE**

NFPA RATING:

HEALTH: **2**

FIRE: **3**

REACTIVITY: **0**