

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
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Product Name: CLEAR DIESEL FUEL AND TANK CLEANER
Synonyms: DIESEL FUEL ADDITIVE
Generic/Chemical Name: ALIPHATIC HYDROCARBONS
MSDS Preparation Date: July 31, 2008 – supersedes July 24, 2008
Emergency Phone Number: Within USA 1-800-424-9300
Outside USA 001-703-527-3887 (Call Collect)

SECTION II - COMPOSITION/INFORMATION OF INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>
ALIPHATIC HYDROCARBONS	50.0 – 70.0
PETROLEUM HYDROCARBONS	30.0 – 50.0
HINDERED PHENOLIC COMPOUNDS	1.0 – 2.0

This product is a proprietary complex mixture of Aliphatic Hydrocarbons and Petroleum Hydrocarbons. 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 may cause irritation. Potential risk to humans can be minimized by observing good work practices and personal hygiene procedures. The product has a low order of acute toxicity. Excessive exposure may cause irritation to upper respiratory tract (nose and throat)

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SECTION IV - FIRST AID MEASURES

EYE CONTACT: Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses, if present, after first 5 minutes of rinsing. Irrigate eyes thoroughly lifting eyelids and rolling eyeballs. If irritation persists, call a physician.

SKIN CONTACT: Immediately flush with large amounts of water, use soap if available. Remove contaminated clothing, including shoes and launder before re-use. Discard contaminated shoes, belts and other articles made of leather. Wear chemical resistant gloves if skin contact is likely.

INHALATION: Inhalation of vapor or mist can cause irritation of nose, throat and lungs. Move person to fresh air if effects occur. Keep at rest. Call for prompt medical attention. If not breathing, apply artificial respiration and call a physician.

INGESTION: Moderate toxicity if swallowed. Do not induce vomiting. Keep at rest. Get prompt medical attention. Drink at least 8-ounces of water. Never give anything by mouth to an unconscious person. Small amounts swallowed incidental to normal handling operations are not likely to cause injury.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT105°F (TCC) Min. 40.6°C.

FLAMMABLE LIMITS: lower1 upper10

EXTINGUISHING MEDIA: Alcohol resistant foam, dry chemical, CO₂, 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, strong acids, strong bases or combustible liquids. Contain run-off.

EMPTY CONTAINERS CONTAIN COMBUSTIBLE 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.

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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 TWA8 50 PPM
ACGIH 20 PPM
Carcinogen - NTP ProgramN/A
Carcinogen - IARC ProgramN/A

EFFECTS OF ACUTE OVEREXPOSURE: Avoid breathing vapor. Handle only in well-ventilated open area. Inhalation of high vapor concentrations may result in headaches. If the material is handled in accordance with proper industrial handling procedures, exposures should not pose a carcinogenic risk to man.

RESPIRATORY PROTECTION (Specify type): When respiratory protection is required for certain operations use Organic or Hydrocarbon vapor respirator or supplied-air hose if needed.

VENTILATION:

LOCAL EXHAUSTFace velocity > 60 fpm
MECHANICAL (General)Explosion - proof ventilation equipment.
SPECIALUse only with adequate ventilation.
OTHERNo 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 250 - 300°F
VAPOR PRESSURE (mmHG)..... 0.4 mmHg @20C est.
VAPOR DENSITY (AIR =1)..... 4.0 est.
SOLUBILITY IN WATER Partial
SPECIFIC GRAVITY (H2O =1) 0.89
PERCENT, VOLATILE BY VOLUME (%) 100
APPEARANCE Straw Yellow

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ODOR Hydrocarbons

STABILITYStable
HAZARDOUS DECOMPOSITION PRODUCTSWill not occur
HAZARDOUS POLYMERIZATIONWill 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	3.0
n-Butanol	71-36-3	<1.0
Ethylbenzene	100-41-4	<3.0
Xylene (mixed isomers)	1330-20-7	<1.5

Section 311/312 Hazard Class – 40 CFR 370.2

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

Chronic Effects on Humans: If the material is handled in accordance with proper industrial handling procedures, exposures should not pose a carcinogenic risk to man.

The following components of this material are found on the regulatory list. – California Prop. 65, PA, NJ, MN RTK

Ethylbenzene and Xylene

SECTION XII - ECOLOGICAL INFORMATION

THIS PRODUCT DOES NOT CONTAIN ANY OZONE DEPLETING CHEMICALS

SECTION XIII - DISPOSAL CONSIDERATIONS

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

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Proper Shipping Name: **RQ Waste Flammable Liquid n.o.s. (Aliphatic Hydrocarbons)**

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) Discontinued
Part # 9280 – 80 oz. (cases) Replaces Part Number 9241
Part # 9250 – 2.5 gallon (cases)
Part # 9255 – 55 gallon (drums)
Not regulated by the DOT
49CFR 173.150(f)(1)(2)
I.D. NUMBER: **NOT REQUIRED**
PACKING GROUP: **NOT REQUIRED**
PLACARDING: **NOT REQUIRED**

IATA:

Part Number 9225, 9241, 9280 and 9250: Packaging not suitable to be shipped by Air.

IMDG:

Proper Shipping Name: **FLAMMABLE LIQUID, N.O.S. (ALIPHATIC HYDROCARBONS)**
HAZARD CLASS: **3**
I.D. NUMBER: **UN 1993**
PACKING GROUP: **III**
PLACARDING: **FLAMMABLE LIQUID**
For Part Number 9225, 9241 and 9280 Limited Quantities apply
Part Number 9250-02: Cases are not UN Approved

SECTION XV - REGULATORY INFORMATION

RIGHT TO KNOW TIER II REPORTING INFORMATION SECTION 311-312

CHEMICAL DESCRIPTION: **ALIPHATIC HYDROCARBONS and PETROLEUM HYDROCARBONS.**

COMMON (LABEL) NAME: **CLEAR DIESEL FUEL AND TANK CLEANER**

TYPE OF PRODUCT: **SOLUTION - LIQUID**

PHYSICAL HAZARD: **FIRE**

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HEALTH HAZARD: **IMMEDIATE**

REACTIVITY: **NONE**

EXTREMELY HAZARDOUS SUBSTANCES: **NONE**

NFPA RATING:

HEALTH: **2**

FIRE: **2**

REACTIVITY: **0**