

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

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Product Name: DIESEL 911
Synonyms: DIESEL FUEL ADDITIVE
Generic/Chemical Name: HYDROXY COMPOUNDS, HYDROCARBONS,
MSDS Preparation Date: July 24, 2008 – supersedes March 19, 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>
HYDROCARBONS	10 - 20
HYDROXY COMPOUNDS	70 - 80

This product is a proprietary complex mixture of Petroleum Hydrocarbons and 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. As a precaution, exposure to liquids, vapors, mists and fumes should be minimized.

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

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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 until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT: Flush with large amounts of water, use soap if available. Remove grossly contaminated clothing, including shoes and launder before re-use.

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.

INGESTION: If swallowed do not induce vomiting. Keep at rest. If person is conscious drink 1 or 2 glasses of water. Get prompt medical attention. Call physician or Poison Control Center immediately.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT75°F (TCC) Min. 23.9°C.

FLAMMABLE LIMITS: lower2 upper12

EXTINGUISHING MEDIA: Alcohol resistant foam, dry chemical, CO₂, waterspray or fog.

SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied rescue equipment for enclosed areas. Cool exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not store or mix with strong oxidants or combustible liquids.

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 petroleum products 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.

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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 MgM3
100 384

Carcinogen - NTP ProgramN/A
Carcinogen - IARC ProgramN/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. Toxic to blood, kidney, liver, heart and the reproductive system. Could be fatal if swallowed and symptoms may be delayed. Symptoms: not limited to redness of face and neck, depression, dizziness, vomiting, loss of co-ordination, slurred speech, drowsiness and stomach pain.

RESPIRATORY PROTECTION (Specify type): 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: Normally not needed. Use chemical resistant PVC coated or rubber gloves if necessary.

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

OTHER PROTECTION EQUIPMENT: Organic or Hydrocarbon insoluble apron if needed.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT 190 - 248°F
VAPOR PRESSURE (mmHG)..... 15 mmHg @20C est.
VAPOR DENSITY (AIR =1)..... 2.1 est.
SOLUBILITY IN WATER partial
SPECIFIC GRAVITY (H2O =1) 0.81
PERCENT, VOLATILE BY VOLUME (%) 100
APPEARANCE brown
ODOR solvent

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SECTION X - STABILITY AND REACTIVITY

STABILITYStable
INCOMPATIBILITY (Materials to avoid)Avoid contact with strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTSWill not occur
HAZARDOUS POLYMERIZATIONWill not occur

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	20.0
n-Butanol	71-36-3	10.0
Ethyl benzene	100-41-4	<3.0

Section 311/312 Hazard Class – 40 CFR 370.2

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

California Prop. 65 – The following components of this material are found on the regulatory list.

Ethyl benzene

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

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:

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.

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SECTION XIV - TRANSPORTATION INFORMATION

Part #8025 – 32 oz. (cases)
Part #8041 – 96oz. (cases) Discontinued
Part #8080 – 80oz. (cases) Replaces Part Number 8041
PROPER SHIPPING NAME: CONSUMER COMMODITY
HAZARD CLASS: ORM-D
I.D. NUMBER: NOT REQUIRED
PACKING GROUP: NOT REQUIRED
PLACARDING: NOT REQUIRED

Part #8050 – 2.5 gal (cases)
Part #8055 – 55 gal. (drums)
PROPER SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. (HYDROXY COMPOUNDS)
HAZARD CLASS: 3
I.D. NUMBER: UN 1993
PACKING GROUP: III
PLACARDING: FLAMMABLE LIQUID

IATA:

Part Number 8025, 8041, 8080 and 8050: Packaging/containers not suitable to be shipped by Air.

IMDG:

PROPER SHIPPING NAME: FLAMMABLE LIQUID, n.o.s. (HYDROXY COMPOUNDS)
HAZARD CLASS: 3
I.D. NUMBER: UN1993
PACKING GROUP: III
PLACARDING: FLAMMABLE LIQUID
For Part Number 8025, 8041 and 8080 Limited Quantities apply
Part Number 8050-02: Cases are not UN Approved

SECTION XV - REGULATORY INFORMATION

RIGHT TO KNOW TIER II REPORTING INFORMATION SECTION 311-312

CHEMICAL DESCRIPTION: HYDROXY COMPOUNDS AND HYDROCARBONS
COMMON (LABEL) NAME: DIESEL 911
TYPE OF PRODUCT: SOLUTION - LIQUID
PHYSICAL HAZARD: FIRE
HEALTH HAZARD: IMMEDIATE (ACUTE)
REACTIVITY: STRONG OXIDIZERS
EXTREMELY HAZARDOUS SUBSTANCES: NONE

NFPA RATING:

HEALTH: 2
FIRE: 3
REACTIVITY: 0