

Diesel Fuel Treatment

Today the quality of diesel has dropped a lot because of new regulations restricting the use of stabilizers, so in addition to contain contaminants that can cause engine failure, it will eventually degrade due to the generation of bacteria, algae and mold that determines the strong reduction of the calorific value and the clogging of the gas supply piping engines.

With specific treatments that can be performed on site by the use of specific chemical additives, you can eliminate the bacteria in the storing/power circuit and regenerate the fuel diesel to have again good performance.

Complete treatment when fuel diesel is supposed contaminated

- 1 – Bacteria and mold test: using a specific test you can verify the presence of bacteria in the diesel fuel.
- 2 – If bacteria are discovered, it can be used a Biocide to completely eliminate it.
- 3 – Use of diesel additive “Clear Diesel” in order to eliminate algae and organic substances that can clog the filter. Use of Clear Diesel also help to eliminate water and solid residuals.
- 4 – Use of diesel additive “Diesel Kleen” in order to restore diesel quality, increases of the cetane number, reduce the fuel consumption, help to clean injectors increasing the engine power.

Maintenance treatment during operation

- 1 – Bacteria and mold test: periodic tests can be performed in order to verify presence of bacteria in the filter and prevent filters clog.
- 4 – Use of diesel additive “Diesel Kleen” in order to stabilize diesel and increase diesel quality use of diesel additive “Diesel Kleen” in order to restore diesel quality, increases of the cetane number, reduce the fuel consumption, help to clean injectors increasing the engine power.

Storing treatment

- 3 - When fuel diesel has to be stored for long period the use of “Clear Diesel” help to increase the diesel life terms up to 10 times.

1 - Kit Sample testing determines the type and degree of infestation usually measured by the more expensive plate count system. To use, simply fill the 5cc syringe (included in your kit) with the fluid to be tested. Inject the complete 5cc's through the rubber cap of the test bottle containing the liquid agar and shake it vigorously. Incubate for 30 hours for bacterial growth or 72 hours for fungal growth and compare it to the appropriate photo charts to determine the degree of contamination.



2 – Biocontrol FOT is a powerful biocide used to eliminate Microbes in the form of bacteria and fungus present in all diesel fuels. Long periods of fuel storage can create ideal opportunities for microbes to grow in fuel tanks. The first indication of microbial contamination is mucous-like accumulations on fuel-filters and increased requirements for fuel-filter replacement. Microbes can only be removed from the fuel system by use of a diesel fuel biocide.

Treatment ratio:
Contamination: 1:1500
Maintenance: 1:3000

3 - Power Service Clear-Diesel® Fuel & Tank Cleaner is an advanced fuel tank cleaning technology that has been proven effective in hundreds of fleet, marine, construction and agricultural applications. Clear-Diesel can be used as a vital part of any preventive maintenance program or for immediate clean-up of equipment or fuel storage tanks.

Provides Long-Term Fuel Stability Diesel fuel deteriorates when stored for more than 90 days. +PetroFresh® keeps fuel residues dispersed and diesel fuel fresh when stored up to 12 months. Fuel tanks stay cleaner and fuel-filters last longer with Clear-Diesel® Fuel & Tank Cleaner.

Clear-Diesel disperses water that is dissolved in diesel fuel to provide excellent protection from fuel filter icing.

Treatment ratio:
Contamination: 1: 400
Maintenance: 1:800



4 - Diesel Kleen® +Cetane Boost® is the premier “performance” product on the market. Diesel Kleen® is loaded with cetane, detergency and lubricity additives to keep your diesel engine running at peak performance.

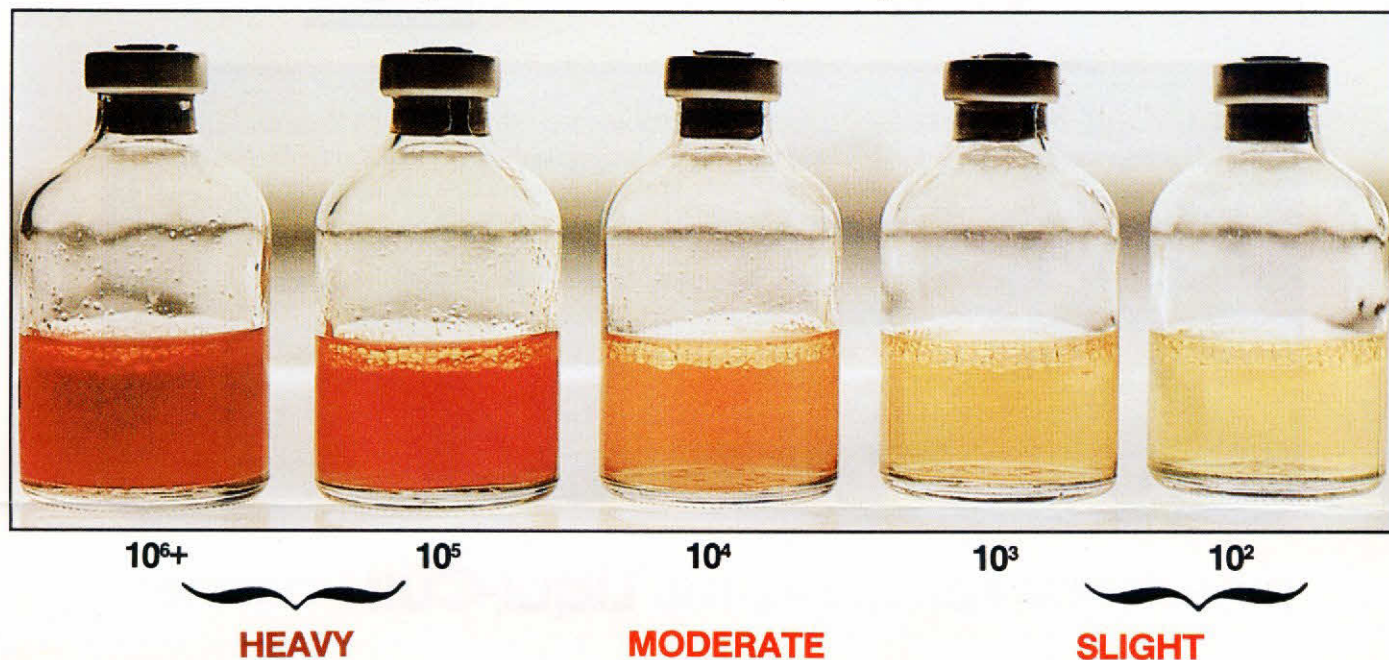
If you are looking for an antigen, Diesel Fuel Supplement® +Cetane Boost® is the product you should be using. Like Diesel Kleen®, Diesel Fuel Supplement® contains a cetane and detergency package. However, it is not as concentrated as Diesel Kleen® to allow for the superior antigen in Diesel Fuel Supplement®.

Treatment ratio:
Contamination: 1: 1500
Maintenance: 1:1500



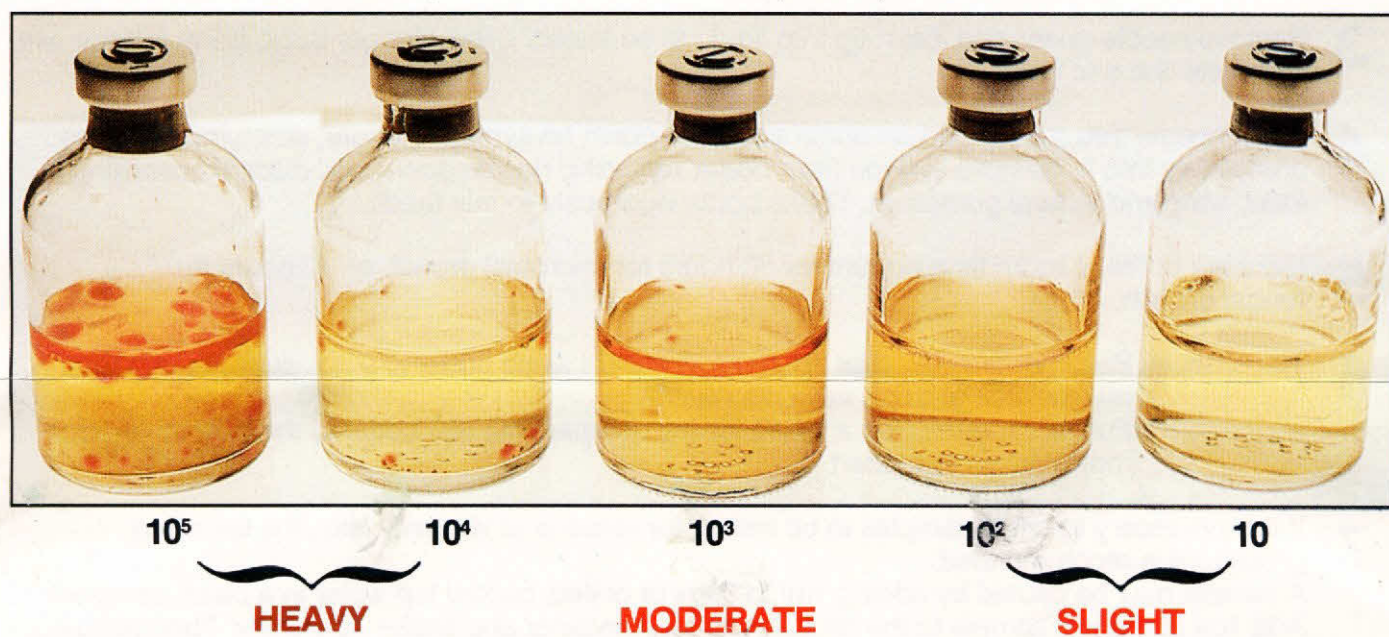
BACTERIAL GROWTH:

This chart is to be used for comparison 30 hours after sample is injected.



FUNGAL GROWTH:

This chart is to be used for comparison 72 hours after sample is injected.



For additional information or questions, please call MCE
Liqui-Cult™ KITS are sold by and ordered through:

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

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)

PAGE 2: CLEAR DIESEL FUEL AND TANK CLEANER

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.

PAGE 3: CLEAR DIESEL FUEL AND TANK CLEANER

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

PAGE 4: CLEAR DIESEL FUEL AND TANK CLEANER

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:

PAGE 5: CLEAR DIESEL FUEL AND TANK CLEANER

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**

PAGE 6: CLEAR DIESEL FUEL AND TANK CLEANER

HEALTH HAZARD: **IMMEDIATE**

REACTIVITY: **NONE**

EXTREMELY HAZARDOUS SUBSTANCES: **NONE**

NFPA RATING:

HEALTH: **2**

FIRE: **2**

REACTIVITY: **0**

POWER SERVICE PRODUCTS, INC.
MATERIAL SAFETY DATA SHEET



SECTION 1 - CHEMICAL COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME: DIESEL KLEEN +CETANE BOOST

Unless otherwise noted, all sections of this MSDS apply to each of the following products and part numbers.

PART NUMBERS:

1:400 Treatment Ratio	3016-06, 3025-12, 3041-04, 3080-06 13016-06, 13025-12, 13041-04, 13080-06
1:1,500 Treatment Ratio	3880-06, 3850-02, 3855-01, 3860-01

COMPANY IDENTIFICATION:

Power Service Products, Inc.
P.O. Box 1089
Weatherford, TX 76086
Email: psp@powerservice.com
Phone: 800/643-9089 or 817-599-9486
Fax: 817-599-4893

Emergency Phone Number: Within USA 1-800-424-9300. Outside USA 001-703-527-3887
(Call Collect).

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

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.

INGREDIENTS

Petroleum Distillates
Aromatic Hydrocarbons

SECTION 3 - HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

EYES: May cause eye irritation. Effects may include discomfort or pain and redness.

SKIN: May be harmful if absorbed through the skin. May cause skin irritation. Prolonged or repeated skin contact may cause drying or defatting of the skin. Symptoms may include pain, itching, discoloration, swelling, and blistering.

INHALATION: Do not breathe vapors. Harmful or fatal if inhaled. Breathing of high vapor concentrations may cause dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness. The vapor or fumes from this material may cause respiratory irritation and damage auditory system. Breathing this material at elevated concentrations causes central nervous system effects. Central nervous system effects may include headache, dizziness, nausea, vomiting, weakness, loss of coordination, blurred vision, drowsiness, confusion or disorientation. At extreme exposures, central nervous system effects may include respiratory depression, tremors, or convulsions, loss of consciousness, coma or death.

INGESTION: Do not take internally. Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. This material can directly enter the lungs, if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death.

TARGET ORGANS:

Central nervous system, auditory system, respiratory system, kidneys, liver, skin, gastrointestinal tract.

SECTION 4 - FIRST AID MEASURES

As a precaution, exposure to liquids, vapors, mists and fumes should be minimized.

EYE CONTACT:

Hold eyelids apart and flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses, if present, after first 5 minutes of rinsing. If irritation persists, call a physician.

SKIN CONTACT:

Wash contact area with soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse. If irritation persists, call a physician.

INHALATION:

If overcome by vapors, move the exposed person to fresh air. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. Seek medical attention if breathing difficulties continue.

Revised: December 16, 2009

Supersedes: July 24, 2008

POWER SERVICE DIESEL KLEEN +CETANE BOOST

INGESTION:

If swallowed, do NOT induce vomiting. If vomiting occurs, have person lean forward. Keep at rest. Give the person a glass of water or milk to drink and get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE PROPERTIES:**FLASH POINT:**

Treatment Ratio	Part Numbers:	Flash Point:
1:400 Treatment Ratio	3016-06, 3025-12, 3041-04, 3080-06 13016-06, 13025-12, 13041-04, 13080-06	105°F (40.6°C)
1:1,500 Treatment Ratio	3880-06, 3850-02, 3855-01, 3860-01	142°F (61.1°C)

FLAMMABLE LIMITS: lower: Not Determined upper: Not Determined

AUTOIGNITION TEMPERATURE: Not Determined

EXTINGUISHING MEDIA:

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

FIRE FIGHTING:

FIRE FIGHTING INSTRUCTIONS: Use standard protective equipment including self-contained breathing apparatus (SCBA).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may travel along the ground to a distant ignition source and flash back. See Section 10 for Stability and Reactivity.

NOTE: EMPTY CONTAINERS CONTAIN COMBUSTIBLE VAPORS. DO NOT USE CUTTING TORCH EQUIPMENT OR ANY OTHER FLAME OR OTHER SOURCES OF IGNITION ON ANY EMPTY CONTAINER.

SECTION 6 - ACCIDENTAL RELEASE MEASURES
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PROTECTIVE MEASURES:

Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas. Eliminate all sources of ignition in the vicinity of the spill or released vapor. See Section 3 for Hazards Identification. See Section 4 for First Aid Measures. See Section 5 for Fire Fighting Information. See Section 8 for Personal Protective Equipment.

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POWER SERVICE DIESEL KLEEN +CETANE BOOST

SPILL MANAGEMENT:

Eliminate potential sources of ignition. Stop leak if it can be done without risk. Dike and contain spill. Do not touch or walk through spilled material. Prevent entry into waterways, sewer, basements or confined areas. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly. A vapor suppressing foam may be used to reduce vapors. Local, state and federal laws and/or regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean-up releases. The user/responder will need to determine which local, state and federal laws and/or regulations are applicable. The National Response Center can be reached at 1-800-424-8802.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Avoid contact with eyes and skin. Use only with adequate ventilation. Use proper bonding and/or grounding procedures. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). Keep away from ignition sources such as heat, sparks and open flame. No smoking.

STORING: DO NOT USE OR STORE near heat, sparks or open flames. USE AND STORE ONLY IN A WELL VENTILATED AREA. Handle containers with care. Keep container closed when not in use.

STORAGE TEMPERATURE:

<u>Treatment Ratio</u>	<u>Part Numbers:</u>	<u>Storage Temperature:</u>
1:400 Treatment Ratio	3016-06, 3025-12, 3041-04, 3080-06 13016-06, 13025-12, 13041-04, 13080-06	0°F (0°C) - 104°F (40°C)
1:1,500 Treatment Ratio	3880-06, 3850-02, 3855-01, 3860-01	0°F (0°C) - 104°F (40°C)

NOTE: CONTAINERS ARE STRICTLY SINGLE TRIP CONTAINERS. THEY ARE NOT TO BE USED FOR ANY REASON AFTER BEING EMPTIED. EMPTY CONTAINERS CONTAIN COMBUSTIBLE VAPORS. DO NOT USE CUTTING TORCH EQUIPMENT OR ANY OTHER FLAME OR OTHER SOURCES OF IGNITION ON ANY EMPTY CONTAINER.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION
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EXPOSURE GUIDELINES:

	CAS #	OSHA	ACGIH		NIOSH			Note
		PEL	TLV	STEL	REL	STEL	IDLH	
ethylbenzene	100-41-4	100 ppm	100 ppm	125 ppm	100 ppm	125 ppm	800 ppm	n/a

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POWER SERVICE DIESEL KLEEN +CETANE BOOST

naphthalene	91-20-3	10 ppm	10 ppm	15 ppm	10 ppm	15 ppm	250 ppm	skin
xylene	1330-20-7	100 ppm	100 ppm	150 ppm	100 ppm	150 ppm	900 ppm	n/a
1,2,4-trimethylbenzene	95-63-6	not est.	25 ppm	not est.	25 ppm	not est.	not est.	n/a
petroleum distillates	n/a	500 ppm	not est.	not est.	86 ppm	444 ppm	1100 ppm	n/a

ENGINEERING CONTROLS: The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Local exhaust ventilation is recommended to control exposure.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Eyes and Face: Eye protection such as safety glasses or chemical goggles is recommended if contact is likely.

Skin: Chemical/oil resistant clothing and gloves are recommended. Wear additional protective clothing as appropriate.

Respiratory: Wear a NIOSH/MSHA approved respirator as necessary.

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Practice good housekeeping.

NOTE: These precautions are for room temperature handling. If used at elevated temperatures or aerosol/spray application added precautions may be necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

	1:400 Treatment Ratio	1:1,500 Treatment Ratio
PHYSICAL FORM	Liquid	Liquid
COLOR	Straw	Brown
ODOR	Aromatic Solvent	Aromatic Solvent
POUR POINT	-75°F (-59°C)	-75°F (-59°C)
BOILING POINT	300°F (149°C)	300°F (149°C)
VAPOR PRESSURE (psi)	0.2 – 0.95	0.2 – 0.95
VAPOR DENSITY (AIR = 1)	>5.0	>5.0
pH	7 – 8 (slightly basic)	7 – 8 (slightly basic)
SPECIFIC GRAVITY (at 60°F)	0.92	0.93

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Revised: December 16, 2009
 Supersedes: July 24, 2008
 POWER SERVICE DIESEL KLEEN +CETANE BOOST

This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

CONDITIONS TO AVOID:

Open flames, high energy ignition sources, and elevated temperatures.

MATERIALS TO AVOID:

May react with strong oxidizing agents, such as; chlorates, nitrates, peroxides, alkalis, etc.

HAZARDOUS DECOMPOSITION:

Carbon oxides, products of incomplete combustion and nitrogen oxide.

HAZARDOUS POLYMERIZATION:

Hazardous polymerization will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

This product contains the following chemicals classified as carcinogens as indicated:

Chemical	Listed By	Part Numbers
ethylbenzene	IARC	ALL
naphthalene	IARC, NTP	ALL

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY:

This material is expected to be toxic to aquatic organisms.

SECTION 13 - DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40CFR 261):

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

Proper Shipping Name: **RQ Waste Combustible Liquid, N.O.S., (Petroleum Hydrocarbons)**

Class: **3**

I.D. Number: **UN 1993**

Packing Group: **III**

RCRA WASTE Number: **D001**

State or local laws may impose additional regulatory requirements regarding disposal.

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Supersedes: July 24, 2008

POWER SERVICE DIESEL KLEEN +CETANE BOOST

EMPTY CONTAINER WARNING: Empty containers may contain residue and can be dangerous. See Section 5 for Fire and Explosion Hazard Data.

SECTION 14 - TRANSPORTATION INFORMATION

The following part numbers are Consumer Commodities and are not regulated by DOT:

1:400 Treatment Ratio	3016-06, 3025-12, 3041-04, 3080-06 13016-06, 13025-12, 13041-04, 13080-06
1:1,500 Treatment Ratio	3880-06, 3850-02, 3855-01

The following part numbers are regulated by DOT:

1:1,500 Treatment Ratio	3860-01
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PROPER SHIPPING NAME: Combustible Liquid, N.O.S., (Petroleum Hydrocarbons)

HAZARD CLASS: Combustible Liquid

I.D. NUMBER: NA1993

PACKING GROUP: III

PLACARDING: Combustible Liquid

SECTION 15 - REGULATORY INFORMATION

§14(a) Consumer Product Safety Act General Certificate of Conformity

Power Service Products, Inc. certifies that this product meets the statutory and regulatory requirements of the US Consumer Products Safety Act, the Federal Hazardous Substances Act, and the Poison Prevention Packaging Act of 1970, as applicable. The Power Service products are manufactured in the United States in Weatherford, Texas, unless otherwise indicated on the product label. The product manufacture date is stamped on the product container. This Certificate is based upon a reasonable testing program conducted by Power Service Products, Inc. which includes a quality control program incorporating confirmation of compliance by packaging and closure manufactures. Third-party testing is not required to certify compliance. Further details are available from the Power Service Products Compliance Coordinator at 1-800-643-9089.

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200

TSCA STATUS:

All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

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Supersedes: July 24, 2008

POWER SERVICE DIESEL KLEEN +CETANE BOOST

EPA SARA TITLE III CHEMICAL LISTINGS:

Section 302 Extremely Hazardous Substances: None

Sections 311/ 312 Hazard Class:

Acute Health Effects: Yes Sudden Release of Pressure Hazard: No

Chronic Health Effects: Yes Reactivity Hazard: No

Fire Hazard: Yes

NFPA (NATIONAL FIRE PROTECTION ASSOCIATION) RATING:

HEALTH: **2**

FIRE: **2**

REACTIVITY: **0**

Section 313:

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

Treatment Ratio	CAS Number	Chemical Name	Max %
1:400 Treatment Ratio	100-41-4	ethylbenzene	8.5
	1330-20-7	xylene, mixed isomers	4.5
	91-20-3	naphthalene	1.5
	95-63-6	1,2,4 trimethylbenzene	25.5
1:1500 Treatment Ratio	100-41-4	ethylbenzene	1.5
	1330-20-7	xylene, mixed isomers	1.5
	91-20-3	naphthalene	1.5
	95-63-6	1,2,4 trimethylbenzene	2.0

The following components of this material are found on these state regulatory lists.

1, 2, 4 trimethylbenzene: IL RTK, MN Hazardous substance, NJ RTK, PA RTK, RI RTK

Ethylbenzene: NDEP HAP, California Prop. 65, MA RTK, NJ RTK, PA RTK, RI RTK, MN Hazardous substance

Xylene: NDEP HAP, MA RTK, NJ RTK, PA RTK, RI RTK, MN Hazardous substance

Napthalene: California Prop. 65, MA RTK, NJ RTK, PA RTK, MN Hazardous substance

This product contains a chemical known to the state of California to cause cancer.

SECTION 16 – OTHER INFORMATION

The information contained herein is offered in good faith and is believed to be accurate based on the data available to us as of the date of MSDS preparation. The information in this

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POWER SERVICE DIESEL KLEEN +CETANE BOOST

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