

POWER SERVICE PRODUCTS, INC.

SAFETY DATA SHEET



SECTION 1 - IDENTIFICATION

PRODUCT NAME: DIESEL KLEEN + CETANE BOOST 1:400 Treatment Ratio

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

CONTAINER-SIZE PART NUMBERS:

3016-06, 3016-09, 3025-09, 3025-12, 3080-06, 13016-06, 13016-09, 13025-12, 13080-06

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).

RECOMMENDED USES: Diesel fuel additive

SECTION 2 - HAZARD(S) IDENTIFICATION

CLASSIFICATION UNDER 29 CFR 1910.1200(d)

(NC=product does not meet classification criteria)

Health Hazard Criteria	Category
Acute Toxicity, Oral:	NC
Acute Toxicity, Dermal:	NC
Acute Toxicity, Inhalation, Vapors:	3
Skin Corrosion/Irritation:	2
Serious Eye Damage/Eye Irritation:	2
Respiratory Sensitization:	NC
Skin Sensitization:	NC
Germ Cell Mutagenicity:	NC
Carcinogenicity:	2
Reproductive Toxicity:	NC
Specific Target Organ Toxicity, Single Exposure:	3

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Health Hazard Criteria	Category
Specific Target Organ Toxicity, Repeated or Prolonged Exposure:	NC
Aspiration Hazard:	1

Physical Properties Criteria	Category
Explosives:	NC
Flammable Gases:	NC
Flammable Aerosols:	NC
Oxidizing Gases:	NC
Gases Under Pressure:	NC
Flammable Liquids:	3
Flammable Solids:	NC
Self-Reactive Chemicals:	NC
Pyrophoric Liquids:	NC
Pyrophoric Solids:	NC
Self-Heating Chemicals:	NC
Chemicals Which, in Contact with Water, Emit Flammable Gases:	NC
Oxidizing Liquids:	NC
Oxidizing Solids:	NC
Organic Peroxides:	NC
Corrosive to Metals:	NC

LABEL SIGNAL WORD, HAZARD STATEMENTS, SYMBOLS AND PRECAUTIONARY STATEMENTS ACCORDING TO THE HAZARDOUS PRODUCTS REGULATIONS (FEBRUARY 11, 2015)

Signal Word	Danger
Hazard Statements:	
Flammable Liquid and Vapour. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. Toxic if inhaled. May cause respiratory irritation. May cause cancer.	
Symbols:	
	
Precautionary Statement(s):	
Keep out of reach of Children. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use	

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explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing fume, mist, spray, vapours. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection/face protection, protective gloves, protective clothing. IF SWALLOWED: Immediately call a doctor, a POISON CENTER. IF ON SKIN(or hair):Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor If you feel unwell. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified:

None

SECTION 3 - COMPOSITION / INFORMATION ON SUBSTANCES

INGREDIENTS CLASSIFIED AS HEALTH HAZARDS

Chemical Name	Common Name/Synonyms	CAS Number	Concentration (%)**
Hydroxyalkane	Proprietary*	Proprietary*	1-5
Aromatic hydrocarbons #1	Proprietary*	Proprietary*	1-5
Aromatic hydrocarbons #2	Proprietary*	Proprietary*	0.1-1
Aromatic hydrocarbons #3	Proprietary*	Proprietary*	0.1-1
Aromatic hydrocarbons #4	Proprietary*	Proprietary*	0.1-1
Aromatic hydrocarbons #5	Proprietary*	Proprietary*	0.1-1
Petroleum distillates #1	Proprietary*	Proprietary*	0.1-1
Petroleum distillates #2	Proprietary*	Proprietary*	1-5
Petroleum distillates #3	Proprietary*	Proprietary*	65-85
Alkyl nitrate	Proprietary*	Proprietary*	10-30

*HMIRA Filing #: Pending

*HMIRA Registration #: Pending

** The actual concentration of the ingredient is withheld as a trade secret

Specific chemical information will be made available to health professionals in accordance with the Hazardous Products Regulations (February 11, 2015)

SECTION 4 - FIRST AID MEASURES

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

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EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

SKIN CONTACT: Wash with plenty of water. Take remove contaminated clothing and wash it before reuse. If skin irritation occurs get medical advice/attention.

INHALATION: Remove person to fresh air and keep comfortable for breathing. Call a doctor.

INGESTION: If swallowed, IMMEDIATELY call a doctor. Do NOT induce vomiting.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

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

SPECIFIC HAZARDS: Vapours 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 VAPOURS THAT CAN CAUSE FLASH FIRES OR EXPLOSIONS. CONTAINERS ARE SINGLE-TRIP CONTAINERS AND SHOULD NOT BE USED FOR ANY REASON AFTER BEING EMPTIED. DO NOT USE CUTTING TORCH EQUIPMENT OR ANY OTHER FLAME OR OTHER SOURCES OF IGNITION ON ANY EMPTY CONTAINER.

PROTECTIVE EQUIPMENT AND PRECAUTIONS: Use standard protective equipment including Self-Contained Breathing Apparatus (SCBA).

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY

PROCEDURES: 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 vapour. See Section 2 for Hazards Identification. See Section 4 for First Aid Measures. See Section 5 for Fire Fighting Information. See Section 8 for Personal Protective Equipment.

SPILL CONTAINMENT AND CLEAN-UP: 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 vapour suppressing foam may be used to reduce vapours. Local, provincial 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, provincial and federal laws and/or regulations are applicable.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE 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 flames. No smoking.

CONDITIONS FOR SAFE STORAGE: DO NOT USE OR STORE near heat, sparks, or flame. USE AND STORE ONLY IN A WELL-VENTILATED AND COOL AREA. Handle containers with care. Keep container tightly closed when not in use. Store locked up.

STORAGE TEMPERATURE:

Part Numbers:	Storage Temperature:
3016-06, 3016-09, 3025-12, 3080-06, 13016-06, 13016-09, 13025-12, 13041-04, 13080-06	-18°C - 40°C (0°F - 104°F)

EMPTY CONTAINER WARNING: EMPTY CONTAINERS MAY CONTAIN COMBUSTIBLE VAPOURS AND CAN BE DANGEROUS. SEE SECTION 5 FOR FIRE AND EXPLOSION HAZARD DATA.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Aromatic hydrocarbons #5 (Proprietary)		
Canada (Quebec)	VECD (mg/m ³)	79 mg/m ³
Canada (Quebec)	VECD (ppm)	15 ppm
Canada (Quebec)	VEMP (mg/m ³)	52 mg/m ³
Canada (Quebec)	VEMP (ppm)	10 ppm
Alberta	OEL STEL (mg/m ³)	79 mg/m ³
Alberta	OEL STEL (ppm)	15 ppm
Alberta	OEL TWA (mg/m ³)	52 mg/m ³
Alberta	OEL TWA (ppm)	10 ppm
British Columbia	OEL STEL (ppm)	15 ppm
British Columbia	OEL TWA (ppm)	10 ppm
Manitoba	OEL TWA (ppm)	10 ppm
New Brunswick	OEL STEL (mg/m ³)	79 mg/m ³
New Brunswick	OEL STEL (ppm)	15 ppm
New Brunswick	OEL TWA (mg/m ³)	52 mg/m ³
New Brunswick	OEL TWA (ppm)	10 ppm

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Newfoundland & Labrador	OEL TWA (ppm)	10 ppm
Nova Scotia	OEL TWA (ppm)	10 ppm
Nunavut	OEL STEL (ppm)	15 ppm
Nunavut	OEL TWA (ppm)	10 ppm
Northwest Territories	OEL STEL (ppm)	15 ppm
Northwest Territories	OEL TWA (ppm)	10 ppm
Ontario	OEL STEL (ppm)	15 ppm (in force until January 1, 2018)
Ontario	OEL TWA (ppm)	10 ppm
Prince Edward Island	OEL TWA (ppm)	10 ppm
Saskatchewan	OEL STEL (ppm)	15 ppm
Saskatchewan	OEL TWA (ppm)	10 ppm
Yukon	OEL STEL (mg/m ³)	75 mg/m ³
Yukon	OEL STEL (ppm)	15 ppm
Yukon	OEL TWA (mg/m ³)	50 mg/m ³
Yukon	OEL TWA (ppm)	10 ppm

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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, straw color
Odour	Aromatic solvent
Odour Threshold	Not available

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pH	Not applicable
Melting point/Freezing point	Not available
Initial Boiling Point and Boiling Range	145°C (293°F)
Flash Point	46.7°C (116°F)
Evaporation Rate	Not available
Flammability	Not available
Upper / Lower Flammability or Explosive Limits	Not available
VAPOR PRESSURE (psi)	Not available
Vapor Density	Not available
Specific Gravity (ASTM D4052)	0.93
Solubility	Not available
Partition Coefficient; n-Octanol / Water	Not available
Auto-ignition Temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Pour Point	Not available

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY: see Incompatible Materials below.

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

POSSIBILITY OF HAZARDOUS REACTION: Hazardous polymerization will not occur.

CONDITIONS TO AVOID: Flames, high energy ignition sources, and elevated temperatures.

INCOMPATIBLE MATERIALS: May react with strong oxidizing agents, such as; chlorates, nitrates, peroxides, etc.; alkalis; lead and lead alloys; reducing agents; brass; copper.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides, products of incomplete combustion and nitrogen oxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE

Ingestion	Inhalation	Skin Contact	Eye Contact	Skin Absorption
	X	X	X	X

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SYMPTOMS RELATED TO PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

CHARACTERISTICS: Breathing of high vapour concentrations may cause dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness. The vapour or fumes from this material may cause respiratory irritation. 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.

DELAYED AND IMMEDIATE EFFECTS AND CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE

LONG-TERM EXPOSURE: Repeated skin exposure to a component of this product may cause irritation, even a burn; may cause a more severe response on covered skin, such as under clothing or gloves. Inhalation exposure to a component of this product has caused fetotoxicity in the presence of maternal toxicity in animals.

NUMERICAL MEASURES OF TOXICITY

Note: the information provided below are estimates; testing of the product is not available.

Acute Oral Toxicity (ATE _{mix} estimate)	Acute Dermal Toxicity (ATE _{mix} estimate)	Acute Inhalation (ATE _{mix} estimate) (mg/l)
Does not meet criteria	Does not meet criteria	5.81 (vapours)

SENSITIZATION: No information available.

MUTAGENICITY: No information available.

CARCINOGENICITY: This product contains components of a complex mixture that have been shown to cause carcinogenicity.

REPRODUCTIVE TOXICITY: No information available.

TERATOGENICITY/EMBRYOTOXICITY: This product contains a component of a complex mixture that has been shown to cause teratogenicity and/or embryotoxicity.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): Respiratory tract irritation.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): No information available

ASPIRATION HAZARD: Aspiration hazard identified.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY: This material is expected to be toxic to aquatic organisms.

PERSISTENCE AND DEGRADABILITY: No information available

BIOACCUMULATIVE POTENTIAL: No information available

MOBILITY IN SOIL: No information available

OTHER ADVERSE EFFECTS: No information available

SECTION 13 - DISPOSAL CONSIDERATIONS

Provincial or local laws may impose additional regulatory requirements regarding disposal. *Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.*

EMPTY CONTAINER WARNING: EMPTY CONTAINERS MAY CONTAIN COMBUSTIBLE VAPOURS AND CAN BE DANGEROUS. SEE SECTION 5 FOR FIRE AND EXPLOSION HAZARD DATA. Dispose of empty containers appropriately per local, provincial and federal regulations.

SECTION 14 - TRANSPORTATION INFORMATION

The following part numbers are not regulated by DOT:

3016-06, 3016-09, 3025-09, 3025-12, 3080-06, 13016-06, 13016-09, 13025-12, 13080-06

The following part numbers are regulated by DOT:

None

Transport information for TDGR has not been determined.

SECTION 15 - REGULATORY INFORMATION

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

The Power Service products are manufactured in the United States in Weatherford, Texas, unless otherwise indicated on the product label. The product manufacture lot code is stamped on the product container. This Certification is based upon a reasonable testing program conducted by Power Service Products, Inc. which includes a quality control program incorporating, as necessary, confirmation of compliance by component suppliers. Third-party testing is not required to certify compliance. Further details may be obtained by contacting the Power Service Products, Inc. EHS Manager at 1-800-643-9089.

Contents of this SDS comply with the Hazard Products Regulations (February 11, 2015).

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

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Power Service Products, Inc. confirms that all proprietary ingredients are listed on the Canadian DSL (Domestic Substances List).

Provincial or local laws may impose additional regulatory requirements for components of this material. It is the responsibility solely of the Employer to maintain compliance with provincial and local reporting.

SECTION 16 – OTHER INFORMATION

DATE OF PREPARATION / REVISION: September 26, 2018

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 SDS preparation. The information in this document applies to this specific product as supplied. It may not be appropriate for this product if the product is used in combination with other materials. The information in this document is not intended to constitute product performance information. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product. No statement shall be construed as an endorsement of any product or process. The recommended industrial hygiene and safe handling procedures are believed to be valid in the context of the intended use as described in product labeling. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. You are urged to obtain material safety data sheets for all products you buy, process, use or distribute, and are encouraged to advise those who may come in contact with such products of the information contained therein. Regulatory requirements are subject to change and may differ between locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. No warranty or guarantee is expressed or implied with respect to this product, the accuracy and sufficiency of the data or recommendations herein, or the results to be obtained from the use of this product. IN NO EVENT SHALL POWER SERVICE PRODUCTS, INC. BE LIABLE FOR ANY LOSS, CLAIM, DAMAGE OR LIABILITY OF ANY KIND, WHICH MAY ARISE FROM OR IN CONNECTION WITH THE INFORMATION CONTAINED IN THIS DOCUMENT OR FROM THE USE, HANDLING OR STORAGE OF THE PRODUCT BY THE BUYER/USER, WHETHER DIRECT, INDIRECT, OR CONSEQUENTIAL, OR FOR ANY CLAIM BY ANY THIRD PARTY, BEYOND THE PURCHASE PRICE OR REPLACEMENT OF THE PRODUCT IN CONNECTION WITH WHICH SUCH LOSS, CLAIM, DAMAGE OR LIABILITY AROSE.

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