

# SAFETY DATA SHEET

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT

**Product Name:** POWER KLEEN DIESEL FUEL IMPROVER  
**Product Description:** Petroleum Distillates, Solvent Mixture and Additives  
**Product Code:** 0021-X  
**Intended Use:** Diesel fuel supplement

### COMPANY IDENTIFICATION

**Manufacturer:** Hydrotex Partners Ltd.  
4912 S. 48<sup>th</sup> West Avenue  
Tulsa, OK 74107 USA

<b>Transportation Emergency Phone</b>	800-424-9300 CHEMTREC
<b>Hydrotex Transportation No.</b>	918-583-6224
<b>SDS Requests</b>	972-389-8500
<b>Product Technical Information</b>	800-527-9439
<b>SDS Internet Address</b>	<a href="http://www.hydrotexlube.com">http://www.hydrotexlube.com</a>

## SECTION 2 HAZARDS IDENTIFICATION

### GHS Classification:

Highly Flammable Liquid and Vapor – Category 2  
Aspiration Hazard – Category 1  
May Cause Cancer – Category 1B  
Acute Toxicity – Inhalation – Category 4  
Acute Toxicity – Oral – Category 4  
May Cause Damage to Organs through prolonged or repeated exposure – Category 2  
Eye Irritation – Category 2B  
Skin Irritation – Category 2

### GHS label elements

#### Symbol(s)



#### Signal Word

**DANGER**

### Hazard Statements

H225 Highly Flammable liquid and vapor.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H320 Causes eye irritation.  
H332 Harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H350 May cause cancer  
H361 Suspected of damaging fertility. Suspected of damaging the unborn child.

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H373 May cause damage to organs through prolonged or repeated exposure.

### Precautionary Statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe mist, spray, vapors.
- P280 Wear eye protection, face protection, protective clothing, protective gloves.
- P301+P310+P331 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
- P305+P351+P338+P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get Medical attention.
- P303+P362+P353 IF ON SKIN (or hair): Remove/Take off all contaminated clothing. Rinse skin with water/shower.
- P304+P340 If INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P308+P313 If exposed or concerned. Get medical advice/attention.

### Response

- P370/P378 In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish.

### Storage

- P403 + P235 Store in a well-ventilated place. Keep cool.
- P404 Store in closed container.

### Disposal

- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## POTENTIAL HEALTH EFFECTS

**EYES:** Causes 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, 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 or 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, and 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, blood, kidneys, liver, skin, eyes, lungs, heart.

**CARCINOGENICITY INFORMATION:** The National Toxicology program has reported a chronic inhalation study in rats of naphthalene, a minor component of this product. Naphthalene caused severe inflammation and an increase in tumors of the nasal epithelium in both sexes. NTP considered this to be clear evidence of carcinogenic activity in rats. The relevance to the inhalation toxicity of this product in humans is unknown. Ethylbenzene has been classified by IARC as a possible human carcinogen (Group 2B) on the basis of sufficient evidence of carcinogenicity in experimental animals, but inadequate evidence in exposed humans.

### ENVIRONMENTAL HAZARDS

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Reportable Hazardous Substance(s) or Complex Substance(s)

NAME	CAS#	% BY WEIGHT
2-Propanol	67-63-0	20.0 – 25.0
Light Aromatic Solvent Naphtha (Petroleum)	64742-95-6	20.0 – 25.0
Toluene	108-88-3	20.0 – 25.0
Poly[Nitro-Oxy(Methyl-1,2-Ethanediol)], Alpha-Hydro-Omega-Hydroxyl-Ester, Succinic Anhydride Polyisobutenyl Derivative	71820-32-1	15.0 – 20.0
2-Ethylhexyl Nitrate	27247-96-7	5.0 – 10.0
1,2,4-Trimethylbenzene	95-63-6	< 0.1
Naphthalene	91-20-3	< 0.2

**NOTE:** This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

## SECTION 4 FIRST AID MEASURES

### EYE CONTACT

Flush thoroughly with large amounts of water for at least 15 minutes. Remove contact lenses, if present, after first 5 minutes of rinsing. If irritation persists get medical assistance.

### SKIN CONTACT

Wash contact areas 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.

### INGESTION

If swallowed, do NOT induce vomiting. If vomiting occurs, have the 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 FIGHTING MEASURES

### EXTINGUISHING MEDIA

**Appropriate Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

**Inappropriate Extinguishing Media:** Straight Streams of Water

#### **FIRE FIGHTING**

**Fire Fighting Instructions:** Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

**Hazardous Combustion Products:** Aldehydes, Smoke, Fume, Sulfur oxides, Incomplete combustion products, Oxides of carbon

#### **FLAMMABILITY PROPERTIES**

**Flash Point [Method] :** >7 °C (45 °F) [EST. FOR OIL, ASTM D-92 (COC)]

**Flammable Limits (Approximate volume % in air):** LEL: N/D UEL: N/D

**Autoignition Temperature:** N/D

### **SECTION 6**

### **ACCIDENTAL RELEASE MEASURES**

#### **NOTIFICATION PROCEDURES**

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. U.S. regulations require reporting releases of this material to the environment which exceed the reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802.

#### **PROTECTIVE MEASURES**

Avoid contact with spilled material. Eliminate all sources of ignition in the vicinity of the spill or released vapor. See Section 3 for Hazard Identification. See Section 4 for First Aid measures. See Section 5 for Fire Fighting Information. See Section 8 for Personal Protective Equipment.

#### **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 spaces. Remove with vacuum trucks or pump into storage/salvage vessels. Soak up residue with absorbent such as clay, sand or other suitable material and dispose of properly.

Spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted.

Note: Local regulations may prescribe or limit action to be taken.

#### **ENVIRONMENTAL PRECAUTIONS**

Prevent entry into waterways, sewers, basements or confined areas.

### **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. Keep away from ignition sources such as heat, spark, and flames. No smoking.

**Static Accumulator:** This material is a static accumulator.

**STORAGE**

DO NOT USE OR STORE near heat, sparks or flame. USE OR STORE ONLY IN WELL VENTILATED AREA. Keep container closed when not in use. Do not store in open or unlabeled containers.

**Empty Container Warning** PRECAUTIONARY LABEL TEXT: Empty containers may retain residue and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE GUIDELINES:**

	CAS#	OSHA PEL	ACGIH TLV	ACGIH STEL	NIOSH REL	NIOSH STEL	NIOSH IDLH	NOTES
Naphthalene	91-20-3	10 ppm	10 ppm	15 ppm	10 ppm	15 ppm	250 ppm	skin
1,2,4-Trimethylbenzene	95-63-6	Not est.	25 ppm	Not est.	25 ppm	Not est.	Not est.	n/a
Toluene	108088-3	100 ppm	100 ppm	560 ppm	150 ppm	560 ppm	375 ppm	skin
Petroleum Distillates	n/a	500 ppm	Not est.	Not est.	86 ppm	444 ppm	1100 ppm	n/a

**US – California OELs: Skin designation-** Toluene (AS 108-88-3) Can be absorbed through the skin

**US – Minnesota Haz Sub: Skin designation applies**

**ENGINEERING CONTROLS**

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider:

Local exhaust ventilation is recommended to control exposure.

**PERSONAL PROTECTION**

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

**Respiratory Protection:** If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

**Hand Protection:** Any specific glove information provided is based on published literature and glove manufacturer data. Work conditions can greatly effect glove durability; inspect and replace worn or damaged gloves.

**Eye Protection:** If contact is likely, safety glasses with side shields are recommended.

**Skin and Body Protection:** Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:

In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

**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. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

## ENVIRONMENTAL CONTROLS

See Sections 6, 7, 12, 13

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data.

### GENERAL INFORMATION

**Physical State:** Liquid  
**Color:** Blue-green  
**Odor:** Aromatic Solvent  
**Odor Threshold:** N/D

### IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

**Relative Density (at 15°C):** 0.82  
**Flash Point [Method] :** >7°C (45°F) [EST. FOR OIL, ASTM D-92 (COC)]  
**Flammable Limits (Approximate volume % in air):** LEL: N/D UEL: N/D  
**Autoignition Temperature:** N/D  
**Boiling Point / Range:** > 149°C (300 °F)  
**Vapor Density (Air = 1):** > 5 mm  
**Vapor Pressure:** 0.2 – 0.95 psi  
**pH:** 7-8 slightly basic  
**Solubility in Water:** Negligible  
**Oxidizing Properties:** See Sections 3, 15, 16.

### OTHER INFORMATION

**Pour Point:** -37°C (-35°F)  
**Melting Point:** N/D

## SECTION 10

## STABILITY AND REACTIVITY

**STABILITY:** Material is stable under normal conditions.

**CONDITIONS TO AVOID:** Flames. Excessive heat. High energy sources of ignition.

**MATERIALS TO AVOID:** Strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon oxides, products of incomplete combustion.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION 11 TOXICOLOGICAL INFORMATION**

**IMMEDIATE HEALTH EFFECTS**

**ACUTE**

**Dermal LD50:** Rabbit 25 ml/kg  
**Inhalation LC50:** Rat 8000mg/l, 4 hours  
**Oral LD50:** Rat 2.5 g/kg

**Skin corrosion/irritation:** Causes skin irritation  
**Serious eye damage/eye irritation:** Causes eye irritation

**Respiratory or skin sensitization:**  
 Respiratory sensitization: Not assigned  
 Skin sensitization: Not assigned

**Carcinogenicity**

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

Chemical	Listed By
Ethylbenzene	IARC
Naphthalene	IARC, NTP
Toluene	IARC, NTP

**Reproductive toxicity;** May damage fertility or the unborn child  
 Avoid contact during pregnancy/while nursing

**Specific target organ toxicity – Single Exposure:** May cause drowsiness or dizziness

**Specific target organ toxicity – Repeated Exposure** May cause damage to organs (central nervous system, blood, kidneys, liver, skin, eyes, lungs, heart) through prolonged or repeated exposure.

**Further Information -** Abusive inhalation (“glue sniffing”) has been reported to be associated with birth defects in offspring of abusers.

**SECTION 12 ECOLOGICAL INFORMATION**

The information given is based on data available for the material, the components of the material, and similar materials.

**ECOTOXICITY**

This material is expected to be toxic to aquatic organisms.

**SECTION 13 DISPOSAL CONSIDERATIONS**

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

**DISPOSAL RECOMMENDATIONS**

Suitable routes of disposal are supervised incineration, preferentially with energy recovery, or appropriate recycling methods in accordance with applicable regulations and material characteristics at the time of

**REGULATORY DISPOSAL INFORMATION**

RCRA Information: Disposal of the unused product may be subjected to RCRA hazardous waste regulations (40 CFR, Part 261D). Disposal of the used product may also be regulated as hazardous waste due to resulting mixture characteristics, mixture components or product use. Such changes to the product may result in different and/or additional hazardous waste codes. Potential RCRA waste code based on the product as shipped: D001 IGNITABILITY. State 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** PRECAUTIONARY LABEL TEXT: Empty containers may retain residue and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**SECTION 14 TRANSPORT INFORMATION**

**LAND (DOT)**

Product Label.....POWER KLEEN  
D.O.T. Shipping Name.....Flammable Liquid, N.O.S., (2-Propanol, Petroleum Distillate)  
Hazard Class & Division.....3  
UN Number.....NA 1993  
Packing Group ..... II  
Marine Pollutant.....Yes

**LAND (TDG)**

Proper Shipping Name.....Flammable Liquid, N.O.S., (2-Propanol, Petroleum Distillate)  
Hazard Class & Division.....3  
UN Number.....NA 1993  
Packing Group.....II  
Special Provisions.....None

**SEA (IMDG)**

Proper Shipping Name.....Flammable Liquid, N.O.S., (2-Propanol, Petroleum Distillate)  
Hazard Class & Division.....3  
EMS Number..... F-E, S-E  
UN Number.....NA 1993  
Packing Group.....II  
Marine Pollutant.....Yes  
Label(s)..... 3  
Transport Document Name.....UN1993, FLAMMABLE LIQUID, N.O.S., (2-PROPANOL, PETROLEUM DISTILLATE), 3, PG II, (13°C c.c.), MARINE POLLUTANT

**AIR (IATA)**

Proper Shipping Name..... Flammable Liquid, N.O.S., (2-Propanol, Petroleum Distillates)  
Hazard Class & Division.....3  
UN Number.....NA 1993  
Packing Group.....II  
Label(s) / Mark(s).....3  
Transport Document Name.....UN1993 FLAMMABLE LIQUID, N.O.S., (2-PROPANOL, PETROLEUM DISTILLATE), 3, PG II



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**NOTE: This material is a marine pollutant. This material is not regulated in quantities less than 119 gallons**

## SECTION 15

## REGULATORY INFORMATION

### REGULATORY DISCLOSURES:

#### New Jersey Right to Know List:

TOLUENE, CAS# 108-88-3

1,2,4-TRIMETHYLBENZENE, CAS #95-63-6, < 0.2%

NAPHTHALENE, CAS #91-20-3, < 0.5%

#### Pennsylvania Right to Know List

TOLUENE, CAS# 108-88-3

1,2,4-TRIMETHYLBENZENE, CAS #95-63-6, < 0.2%

NAPHTHALENE, CAS #91-20-3, < 0.5%

#### Rhode Island Right to Know List

TOLUENE, CAS# 108-88-3

1,2,4-TRIMETHYLBENZENE, CAS #95-63-6, < 0.2%

NAPHTHALENE, CAS #91-20-3, < 0.5%

#### California Proposition 65

##### Carcinogens & Reproductive Toxicity (CRT): Listed Substances:

TOLUENE, CAS# 108-88-3

1,2,4-TRIMETHYLBENZENE, CAS #95-63-6, < 0.2%

NAPHTHALENE, CAS #91-20-3, < 0.5%

#### Canadian Disclosure List

TOLUENE, CAS # 108-88-3

1,2,4-TRIMETHYLBENZENE, CAS #95-63-6

#### SARA Title III – Section 313

1,2,4-TRIMETHYLBENZENE, CAS #95-63-6

#### CERCLA Hazardous Substances

NAPHTHALENE, CAS #91-20-3 ----RQ 100 lb

#### RCRA Hazardous Substances

NAPHTHALENE, CAS #91-20-3 ----RCRA Code: U165

#### Title V

1,2,4-TRIMETHYLBENZENE, CAS #95-63-6

NAPHTHALENE, CAS #91-20-3

#### SC Toxic Air Pollutants List

NAPHTHALENE, CAS #91-20-3

**MISCELLANEOUS INFORMATION:** This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

Cal. Prop. 65 This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: <0.1 ppm cadmium; <0.5 ppm lead; <0.5 ppm arsenic; <0.7 ppm Sulfur dioxide, CAS no. 7446-09-5; <1 ppm Benzene, CAS no. 71-43-2

**SECTION 16**

**OTHER INFORMATION**

N/D = Not determined, N/A = Not applicable

**HMIS Rating – HEALTH: 1**

**Flammability: 3**

**Reactivity: 0**

**NFPA Rating – Health 1**

**Flammability: 3**

**Reactivity: 0**

**THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:**

No revision information is available.

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The information and recommendations contained herein are, to the best of Hydrotex Partners Ltd.'s knowledge and belief, accurate and reliable as of the date issued. You can contact Hydrotex Partners Ltd. to insure that this document is the most current available. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users.