SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: **POWER-FLO®**
Product Description: Aliphatic Solvent Mixture and Additives
Product Code: 0241-X
Intended Use: Diesel fuel supplement

COMPANY IDENTIFICATION

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

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

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:

Flammable Liquids – Category 3
Aspiration Hazard – Category 1
Carcinogenicity – Category 2
Acute Toxicity – Inhalation – Category 4
Specific Target Organ Toxicity (Single Exposure) (Respiratory tract irritation) – Category 3
Specific Target Organ Toxicity (Single Exposure) (Narcotic effects) - Category 3
Specific Target Organ Toxicity (Single exposure) (Central nervous system) – Category 3
Eye Irritation – Category 2A
Skin Irritation – Category 2

GHS label elements
Symbol(s)

Signal Word
DANGER

Hazard Statements

H226 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.
H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P280 Wear eye protection, face protection, protective clothing, protective gloves.
P301+P310+331 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
P305+P351+P338+313 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+P361+P353 IF ON SKIN (or hair): Take off immediately 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.
P331 Do NOT induce vomiting.

Response

P370/P378 In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish.

Storage

P403/P235 Store in a well-ventilated place. Keep cool.
P404 Store in closed container.
P405 Store locked up.

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 ad 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, lungs, skin, eyes.

ENVIRONMENTAL HAZARDS

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

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 3 COMPOSITION / INFORMATION ON INGREDIENTS

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

NAME	**CAS#**	**% BY** WEIGHT
Naphtha (petroleum), hydrotreated heavy AND/OR Distillates (petroleum), hydrotreated light	64742-48-9 / 64742-47-8	25.0 – 35.0
Light Aromatic Solvent Naphtha (Petroleum)	64742-95-6	11.0 – 25.0
Ethylene glycol monobutyl ether	111-76-2	18.0 – 28.0
Trimethylbenzene (mixed isomers)	25551-13-7	6.3 – 17.0
Xylene	1330-20-7	1.9 – 4.0
n-Propylbenzene	103-65-1	0.3 – 2.0
Cumene	98-82-8	0.3 – 2.0
Ethylbenzene	100-41-4	0.3 – 2.0
Vinyl Acetate	108-05-4	< 0.20
Naphthalene	91-20-3	< 0.10

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

* All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume.

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 (CO2) 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]: >52 °C (125 °F), ASTM D3828
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 or the spill or released vapor. See Section 2 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 VENTILATATED 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
Ethylene glycol monobutyl ether	111-76-2	50 ppm	20 ppm	Not est.	5 ppm	Not est.	Not est.	skin
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
Xylene	1330-20-7	100 ppm	100 ppm	150 ppm	100 ppm	Not est.	Not est	n/a
1,3,5-Trimethylbenzene	108-67-8		25 ppm					n/a
Cumene	98-82-8	50 ppm	50 ppm					skin
Ethylbenzene	100—41-4	20 ppm	20 ppm	125 ppm			100 ppm	n/a
1,2,3-Trimethylbenzene	526-73-8	25 ppm	25 ppm					n/a
Vinyl Acetate	108-05-4	10 ppm	15 ppm	15 ppm	10 ppm	20 ppm		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. 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 affect glove durability; inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:
No protection is ordinarily required under normal conditions of use.

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: Amber
Odor: Solvent
Odor Threshold: N/D

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION
Relative Density (at 15 C): 0.93
Flash Point [Method]: >52°C (125 °F), ASTM D3828
Flammable Limits (Approximate volume % in air): LEL: 1.3% UEL: 10.6% (Literature)
Autoignition Temperature: 230°C (446°F) Literature
Boiling Point / Range: > 149 °C (300 °F)
Vapor Density (Air = 1): > 5 mm
Vapor Pressure: 0.2 – 0.95 psi
pH: No test data available
Solubility in Water: Negligible
Kinematic Viscosity: 3.7 mm2/s @ 20°C (68°F)
Oxidizing Properties: See Sections 3, 15, 16.

OTHER INFORMATION
Pour Point: -40 °C (-40 °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

Information on toxicological effects

Acute toxicity

Solvent Naphtha:

Oral LD50:	Rat	> 5,000mg/kg
Dermal LD50:	Rabbit	> 2,000 mg/kg

1,2,4-Trimethylbenzene:

Dermal LD50:	Rabbit	> 3,160 mg/kg
Inhalation LC50:	Rat	18 mg/l, 4 hours
Oral LD50:	Rat	5,000mg/kg

1,3,5-Trimethylbenzene:

Dermal LD50:	Rabbit	> 3,160 mg/kg based on 1,2,4-trimethylbenzene
Inhalation LC50:	Rat	24 mg/l, 4 hours based on a mixture of trimethylbenzenes
Oral LD50:	Rat	5,000mg/kg based on 1,2,4-trimethylbenzene

1,2,3-Trimethylbenzene:

Dermal LD50:	Rabbit	> 3,160 mg/kg based on 1,2,4-trimethylbenzene
Inhalation LC50:	Rat	10.2 mg/l, 4 hours based on a mixture of trimethylbenzenes
Oral LD50:	Rat	5,000mg/kg based on 1,2,4-trimethylbenzene

Xylene:

Dermal LD50:	Rabbit	> 4,200 mg/kg
Inhalation LC50:	Rat	21.7mg/l, 4 hours
Oral LD50:	Rat	4,300mg/kg

Cumene:

Dermal LD50:	Rat	10,600 mg/kg
Inhalation LC50:	Rat	39mg/l, 4 hours
Oral LD50:	Rat	1,400mg/kg

Ethylbenzene:

Dermal LD50:	Rabbit	15,400 mg/kg
Inhalation LC50:	Rat	>2,180 mg/l, 4 hours
Oral LD50:	Rat	3,500mg/kg

Vinyl Acetate:

Dermal LD50:	Rabbit	7,400 mg/kg
Inhalation LC50:	Rat	4,500 mg/l, 4 hours
Oral LD50:	Rat	3,500mg/kg

Ethylene glycol monobutyl ether:

Oral LD50:	Rat	> 1,300mg/kg
	Guinea pig	> 1,400 mg/kg

Dermal LD50:	Rabbit	> 2,000 mg/kg
	Guinea pig	> 2,000 mg/kg
Inhalation LC50:	Rat	> 3.9 mg/l for 4 hr

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

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

Inhalation: Harmful if inhaled

Ingestion: Harmful if swallowed

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

Chemical	**Listed By**
Ethylbenzene	IARC
Cumene	IARC
Vinyl Acetate	IARC
Naphthalene	IARC, NTP
Benzene	IARC, NTP

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 disposal.

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)

UN Number.....NA 1993
D.O.T. Shipping Name.....Combustible Liquids, N.O.S. (Petroleum Distillate, Trimethylbenzenes)
Hazard Class & Division....CBL
Packing Group III
Marine Pollutant.....No

LAND (TDG)

UN Number.....UN 1993
Proper Shipping Name.....Flammable Liquid, N.O.S., (Petroleum Distillate, Trimethylbenzenes)
Hazard Class & Division.....3
Packing Group.....III
Special Provisions.....None

SEA (IMDG)

UN Number.....UN 1993
Proper Shipping Name.....Flammable Liquid, N.O.S. (Petroleum Distillate, Trimethylbenzenes)
Hazard Class & Division.....3
EMS Number..... F-E, S-E
Packing Group.....III
Marine Pollutant.....No
Label(s)..... 3

AIR (IATA)

UN Number.....UN 1993
Proper Shipping Name.....Flammable Liquid, N.O.S., (Petroleum Distillate, Trimethylbenzenes)
Hazard Class & Division.....3
Packing Group.....III
Marine Pollutant.....No
Label(s) / Mark(s).....3

The DOT shipping information in this section is based on a bulk container. Please review the accompanying shipping papers for the correct shipping descriptions based the size of the package. Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination.

SECTION 15 REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

NATIONAL CHEMICAL INVENTORY LISTING: IECSC, DSL, EINECS, PICCS, TSCA

REGULATORY DISCLOSURES:

NAME	CAS#	% BY WEIGHT	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ	Section 313	RCRA CODE	CAA 112(r) TQ
1,2,4-Trimethylbenzene	95-63-6	3.0-8.0				Y		
Xylene	1330-20-7	1.9 – 4.0			100	Y	U239	
Cumene	98-82-8	0.3 – 2.0			5,000	Y	U055	
Ethylbenzene	100-41-4	0.3 – 2.0			1,000	Y		
Vinyl Acetate	108-05-4	< 0.20	1,000	5,000	5,000	Y		15,000
Naphthalene	91-20-3	0 – 1.8			100	Y	U165	

The following ingredients are cited on the lists below:

Chemical Name	CAS Number	List Citations
Naphthalene	91-20-3	10, 12, 13, 14, 15, 16, 17, 18, 19
Xylene	1330-20-7	12, 13, 14, 15, 16, 17, 18, 19
Cumene	98-82-8	10, 12, 13, 14, 15, 16, 17, 18, 19
Ethylbenzene	100-41-4	10, 12, 13, 14, 15, 16, 17, 18, 19
Solvent Naphtha	64742-94-5	12, 13, 14, 15, 16, 17, 18, 19
2-Butoxyethanol	111-76-2	1, 4, 5, 12, 13, 14, 15, 16, 17, 18, 19
Trimethylbenzene (mixed isomers)	25551-13-7	12, 13, 14, 15, 16, 17, 18, 19

--REGULATORY LISTS SEARCHED--

1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = MN RTK
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK
4 = OSHA Z	9 = TSCA 12b	14 = LA RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC	15 = MI 293	

Code key: CARC=Carcinogen; REPRO=Reproductive

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

WARNING This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects: <0.1 % Benzene CAS no. 71-43-2; <0.1% Toluene CAS no. 108-88-3, <0.1% Naphthalene CAS no. 91-20-2; <0.2% Vinyl Acetate CAS no.108-05-4; <2% Cumene CAS no. 98-82-8; <2% Ethyl Benzene CAS no. 100-41-4; For more information go to: www.P65Warnings.ca.gov/petroleum.

SECTION 16 OTHER INFORMATION

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

HMIS Rating – Health: 3
Flammability: 2
Reactivity: 0

NFPA Rating – Health 3
Flammability: 2
Reactivity: 0

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:
Updated multiple section for current formulation including hazards, composition, physical properties, exposure controls, toxicological information, regulatory and shipping information, HMIS/NFPA hazards.

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.