



Safety Data Sheet - according to: 1907/2006 EC (REACH), 1272/2008/EC (CLP), GHS ST\_SG\_AC10\_30\_Rev7e

## Section 1 - Identification

**Product Identifier:** Dynamic Fuel Injection Cleaner

**Supplier:** Professional Series, LLC.

**Supplier Phone:** (215) 234-3085

**Supplier Address:** 375 Ivyland Road, Suite 8  
Warminster, PA 18974

**Formula Number** 5426

**In Case of Spills or Medical Emergency:**

24 HRS, 7 DAYS

**Intended Use** Industrial or Automotive Commercial Uses Only. Not for general household use.

**North American Shipments:** 1-800-424-9300 or  
1-703-527-3887  
(CHEMTREC)

**Uses To Avoid** Non-industrial applications.

**International Shipments:** (215) 234-3085

## Section 2 - Hazard Identification

**Signal Word:** DANGER

Other than flammability, no specific data exists for this mixture. Hazard classifications are calculated based on component information, according to GHS protocols for the relevant hazard.

**Hazard Classifications:** **Substance Or Mixture** Mixture

Flammable Liquid (Category 3), Acute Toxicity Oral (Category 4), Eye damage/irritation (Category 2A), Carcinogenicity (Category 2), Aspiration Hazard (Category 1), Skin Corrosion/Irritation (Category 2),

**Hazard Statements based on component information:**

**HAZARDS:** Flammable liquid and vapor. Causes serious eye irritation. Suspected of causing cancer. May be fatal if swallowed and enters airways. Skin contact causes skin irritation.

### Precautions:

Avoid contact with skin. Wear long sleeves, latex or neoprene gloves, and eye protection prior to handling or pouring this product. Pour carefully to prevent splashing. Never siphon fluid by mouth.

PICTOGRAMS:



**Other Hazards Not Resulting In Classification:** May be hazardous to soil dwelling organisms.

**Summary:** Read entire SDS prior to use. Observe all precautions. Use engineering controls to minimize human exposure to workplace chemicals.

Dynamic Fuel Injection Cleaner

### Section 3 - Composition / Information on Ingredients

FN 5426

CAS Number

% Range

SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE

MIXTURE

60 - 100

AROMATIC HYDROCARBON POLYMER MIXTURE

MIXTURE

1 - 5

Exact percentages and component identities are being withheld as trade secrets. Occupational Exposure Levels, Toxicity, and Ecological information on components is shown in Sections 8, 11, and 12 below. Users should read and understand the entire SDS. More specific information on components will be released to medical professionals in case of emergency.

### Section 4 - First Aid Measures:

First responders should wear clothing appropriate for industrial exposure in accordance with local codes. At a minimum, all exposed skin should be covered, and latex gloves and eye protection meeting ANSI Z87 or CSA Z94.3 should be worn. First responders should avoid contact with spilled material. Spills of this material present a slip hazard. If smoke, fumes, or airborne mist is present, first responders should use organics respirator or self contained breathing apparatus.

**IF SWALLOWED:** Do not induce vomiting. Rinse mouth. Get immediate medical attention.

**IF INHALED:** Get immediate emergency medical attention.

**IF IN EYES:** Remove contact lenses and rinse eyes with cool water. Get immediate medical attention.

**IF ON SKIN:** Remove all contaminated clothing. Wash exposed skin/hair with soap and water.

**IF ON CLOTHES:** Do not allow skin contact with contaminated clothing. Remove contaminated clothing and wash before re-use.

**IF EXPOSED:** Contact physician if you feel unwell.

**Most Important Symptoms** ACUTE: Respiratory effects, vision effects. DELAYED: Dermatological effects.

**Indication of Immediate Medical Attention** Difficulty breathing, dizziness, extreme drowsiness, eye irritation, loss of vision, skin rash.

**Section 5 - Fire Fighting Measures:**

<b>Flash Point:</b>	<b>23C - 60C</b>
---------------------	------------------

**Hazardous Decomposition Products**

Byproducts of combustion include carbon dioxide, carbon monoxide, oxides of sulfur, oxides of nitrogen, and heavy, acrid smoke.

**Appropriate Extinguishing Media**

Avoid spraying water jet on burning hydrocarbon liquids as this may spread the fire. Use dry chemical or foam extinguishing media.

**Specific Fire Hazards**

Fire fighters must be protected from smoke with self contained breathing apparatus. Heavy smoke may obscure vision. Smoke may contain oxides of carbon, nitrogen, sulfur, and chlorine.

**Special Protective Actions**

Use water spray to cool exposed containers.

**Section 6- Accidental Release Measures:****Personal Precautions**

Spills present a slip hazard. Extinguish/disconnect possible sources of ignition near spill. Ensure adequate ventilation of fumes from affected area. Remove unnecessary personnel from area around spill. Prior to cleaning up, don protective gear including chemical and hydrocarbon resistant outer layer, latex or rubber gloves, rubber boots, and eye protection. Emergency responders should wear chemical and hydrocarbon resistant gear.

**Environmental Precautions**

Small spills may be wiped up with rags. For spills >10 litres- if possible to safely do so, contain the spilled material using diatomaceous earth and/or absorbent pads. Dike drains and prevent material from entering sewers, ditches, drains, or water courses. Place absorbed material into sealed storage containers and consult an environmental expert for proper disposal measures. Immediately report any discharges that escape containment to the local environmental authority or fire department.

**Methods for Cleaning Up**

Absorption with diatomaceous earth and/or absorbent pads is best. Do not use vacuum. Do not wash hydrocarbon or chemical spills away into sewers or drains. Use proper disposal methods for spent absorbents and contaminated rags or clothing.

**Section 7- Storage and Handling:****Precautions for Handling**

Read and understand entire Safety Data Sheet prior to handling. Wear all appropriate protective gear listed in section 2 above prior to handling. Handle with care to avoid spillage.

**Methods for Safe Storage**

Store only in original containers. Store containers indoors away from heat and flames. Store in secure location with good ventilation. Keep container sealed when not transferring product. Protect from rain and extreme cold. Avoid storage of hydrocarbons near strong mineral acids or materials marked 'Oxidizer'.

## Section 8- Exposure Controls/Personal Protection:

Dynamic Fuel Injection Cleaner

### Control Parameters

No exposure limits are established for this mixture. Users should use lowest exposure value shown for components in this section.

### Component Information - Occupational Exposure Limits:

SOLVENT NAPHTHA XYLENES WITH	No Known Hazard
AROMATIC HYDROCARBON POLYMER	PEL OSHA TWA 8 HRS 100 PPM

### Personal Protective Gear

Eye/Face Protection: ANSI Z87.1-1989 ; Gloves: Latex or Neoprene.

### Engineering Controls

Engineering controls should ensure adequate ventilation to keep airborne concentrations below threshold values shown above. Pumps and handling equipment should be designed to reduce human exposure potentials to liquids being transferred from containers into closed systems.

## Section 9- Physical Properties

<b>Appearance</b>	Clear to Hazy Liquid	<b>Upper Explosive Limit</b>	Not Determined
<b>Odor</b>	Low Indescript	<b>Lower Explosive Limit</b>	Not Determined
<b>Odor Threshold</b>	No Data Available	<b>Vapour Pressure</b>	Negligible
<b>pH</b>	N/A oil based	<b>Vapour Density</b>	>1 (air=1)
<b>Melting Point</b>	Liquid under intended use conditions	<b>Relative Density</b>	0.8-0.9 kg/l 60C
<b>Freezing Point</b>	0 to -20	<b>Solubility</b>	Hydrocarbons, Alcohols
<b>Initial Boiling Point</b>	No Data Available	<b>Partition Coefficient</b>	Log KOW > 4 (mineral oil data)
<b>Boiling Range</b>	313C - 432C	<b>Auto Ignition Temp</b>	Not Determined
<b>Flash Point</b>	23C - 60C	<b>Decomposition Temp</b>	Not Determined
<b>Evaporation Rate</b>	<1 (n-butyl acetate =1)	<b>Viscosity cSt 40C</b>	<14.5 cSt 40C

## Section 10- Physical Properties:

<b>Reactivity</b>	May react violently if combined with strong oxidizers and heat.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid</b>	Keep away from fire, sparks, and other sources of ignition.
<b>Possibly Hazardous Reactions</b>	None known.
<b>Incompatible Materials</b>	Strong acids and materials marked 'Oxidizer'.
<b>Hazardous Decomposition Products</b>	Byproducts of combustion include carbon dioxide, carbon monoxide, oxides of sulfur, oxides of nitrogen, and heavy, acrid smoke.

## Section 11- Toxicological Information:

### Symptoms of Exposure:

<b>Likely Routes of Exposure</b>	Dermal and/or Eye exposure from handling. Intended use of product is within enclosed systems which do not generate mist in air.
<b>Ingestion</b>	Ingestion of minimal amounts, e.g. failure to wash hands before eating/smoking, is unlikely to cause symptoms. Swallowing of liquid product may cause vomiting and nausea.
<b>Inhalation</b>	No symptoms are expected under intended use conditions. Exposure to concentrated fumes may cause transient hypoxia.
<b>Dermal/Eye</b>	Dermal exposure results in defatting and localized irritation. Eye exposure causes transient stinging and blurred vision.

**Immediate or Delayed Effects** Immediate: Hypoxia symptoms from inhalation of concentrated solvent vapors. Delayed: None Known.

**Interactive Effects** None Known

Numerical Measures of Toxicity - components (all LD/LC/EC 50 values shown below are based on animal or fish data) at max range value section 3.

**Acute Oral Toxicity:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: LD50 4,300 mg/Kg; AROMATIC HYDROCARBON POLYMER MIXTURE: Non Hazardous

**Acute Skin Toxicity:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: LD50 14,100 mg/Kg; AROMATIC HYDROCARBON POLYMER MIXTURE: Non Hazardous

**Acute Toxicity Inhalation** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: LD50 4,550 mg/Kg; AROMATIC HYDROCARBON POLYMER MIXTURE: Non Hazardous

Dynamic Fuel Injection Cleaner

**Section 11- Toxicological Information: (continued)**

**Skin Corrosion:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: Cat 2 Irritant; AROMATIC HYDROCARBON POLYMER MIXTURE: Cat 2 Irritant

**Eye Corrosion:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: Cat 2A Serious Irritation; AROMATIC HYDROCARBON POLYMER MIXTURE: Cat 2A Serious Irritation

**Respiratory Sensitization:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: Cat 1 Sensitizer; AROMATIC HYDROCARBON POLYMER MIXTURE: Non Sensitizing

**Skin Sensitization:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: Non Sensitizing; AROMATIC HYDROCARBON POLYMER MIXTURE: Non Sensitizing

**Germ Cell Mutagenicity:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: No Hazard; AROMATIC HYDROCARBON POLYMER MIXTURE: No Hazard

**Carcinogen:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: Cat 1B Presumed Human Effects; AROMATIC HYDROCARBON POLYMER MIXTURE: Cat 2 Suspected Human Effects

**Reproductive Effects:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: Cat 1B Reproductive Toxicant; AROMATIC HYDROCARBON POLYMER MIXTURE: No Hazard

Dynamic Fuel Injection Cleaner

## Section 11- Toxicological Information: (continued)

**Target Organ 1 Exposure:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: Cat 1 Toxicant- CNS, Liver, Kidneys; AROMATIC HYDROCARBON POLYMER MIXTURE: No Hazard

**Target Organ Multiple Exposure:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: No Hazard; AROMATIC HYDROCARBON POLYMER MIXTURE: Cat 2 Toxicant- CNS, Liver, Kidneys (animal data)

**Aspiration Hazard:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: Cat 1 Aspiration Hazard; AROMATIC HYDROCARBON POLYMER MIXTURE: Cat 1 Aspiration Hazard

**Other Information** Avoid application by mist and concentration of solvent mists in air, which are potentially explosive.

## Section 12- Ecological Information:

<b>Ecological Summary</b>	Mineral oil/solvent blends and solvents have varying degrees of toxicity and degradability. Specific information on components is shown below.
<b>Bioaccumulation</b>	Mineral oil/solvent blends and solvents have low bioaccumulation potential. Specific information on components is shown below.
<b>Persistence &amp; Degradability</b>	Mineral oil/solvent blends and solvents are inherently biodegradable. OECD Values range from 25% to 60% in 28 days.
<b>Waste Treatment Effects</b>	Product residues are not expected to enter publicly operated treatment works. No negative effects of this mixture are known.
<b>Soil Mobility</b>	Mineral oil/solvent blends and solvents will partition rapidly to air, are expected to have low soil mobility potential.
<b>Other Adverse Effects</b>	None Known

### Toxicity to aquatic organisms, component information:

**Aquatic Toxicity, Acute:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: L(E)C50 <=10mg/l; AROMATIC HYDROCARBON POLYMER MIXTURE: L(E)C5011-100mg/l

**Volatile Organic Content:**

**Aquatic Toxicity, Long Term:** SOLVENT NAPHTHA XYLENES WITH 4-METHYL-2-PENTANONE: Cat 2 Chronic Aquatic Effects; AROMATIC HYDROCARBON POLYMER MIXTURE: Cat 3 Chronic Aquatic Effects

**Ozone:** This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by 40 CFR 82, Subpt. A, App.A + 8.

### Section 13- Disposal Considerations:

<b>Disposal Containers &amp; Methods</b>	Unused material is not a RCRA hazardous waste. Mixture with other wastes may cause classification as hazardous waste. Users must determine compliance with local, state, and federal regulations for proper classification and disposal of used oils and mixtures thereof. Suitable containers include steel and polyethylene drums and totes, for containment of used oil. Secondary containment is advised. Containers should be kept sealed and protected from rain and exposure.
<b>Physical Chemical Properties Affecting Disposal</b>	Changes in physical and chemical properties during use, such as contamination with lead, zinc, or other metals, may affect classification for disposal. Used oils should be tested to determine metals content and applicable local, state, and federal regulations governing disposal of such fluids.
<b>Improper Disposal</b>	Discharging of oily wastes into any sewer, watercourse, or unregulated drain is discouraged as improper and may result in fines, penalties, cleanup costs, and criminal liabilities for responsible parties.
<b>Precautions for Landfill</b>	Oily liquid should not be disposed in a landfill. Disposal of oily absorbents, rags, or other items into a landfill should only be done with proper permission from local, state, and federal authorities.

### Section 14- Transport Information:

US DOT 49 CFR Parts 171-180:

**Proper Shipping Name:** PETROLEUM NAPHTHA SOLUTION, UN1993, N.O.S.

**Combustible Liquid Exemption:** Exception 49 CFR 173.150(f) less than 119 gallon container-Combustible- non-regulated

UN/ID/NA Number: 1993

**Transport Hazard Class** 3      **Packing Group** III      **Labels** 3      **ERGCode** 128

**Marine Pollutant:** No

#### IATA-DGR

**IATA Proper Shipping Name** Flammable liquid UN1993, (petroleum naptha)      **UN/ID Number** 1993

**IATA Class** 3      **IATA Packing Group:** III      **IATA Labels** 3

#### IMDG-CODE

**IMDG Proper Shipping Name** Flammable liquid UN1993, (petroleum naptha)

**IMDG UN/ID Number** 1993      **IMDG Shipping Class** 3      **IMDG Packing Group** III

**IMDG Labels** 3      **IMDG Marine Pollutant:** No

**MARPOL** Not available for sale in bulk marine shipments

MARPOL 73/78 Annex II

**Special Precautions** None



**Section 15- Regulatory Information:**

**NOTE:** Information provided in this section reflects the best available information from suppliers of components used to manufacture this mixture, as of the date of this revision shown below.

**OSHA 1910.1200 Hazardous Chemical:** Hazards are classified as reported in Section 2 above.

**SARA 302 EHS** Xylene, RQ 100 lbs.; Ethylbenzene RQ 1000 lbs.; Toluene RQ 1000 lbs.

**SARA 311/312** Acute No Chronic No Fire Yes Pressure No Reactivity No

**SARA 313 EHS** Xylene, RQ 10000 lbs.; Ethylbenzene RQ 10000 lbs.; Toluene RQ 10000 lbs.; Methyl Isobutyl Ketone CAS 108-10-1 TPQ 10000 lbs.; Xylene (5-15%); Ethylbenzene (1.5-3%); Toluene <10%; MIBK 8-15%

**TSCA Status:** All Components are properly registered

**US State Lists & Regulations:**

**CA Prop 65** This product contains substances known to the State of California to cause cancer: Cumene; Ethylbenzene; based on CA 65 List as of August 2018.

**US State Right To Know Information:**

**IL RTK:** Xylene, Ethylbenzene;; Ethylbenzene, CAS 100-41-1; Xylene, CAS 1330-20-7;;

**MA RTK:** Xylene, Ethylbenzene;; Ethylbenzene, CAS 100-41-1; Xylene, CAS 1330-20-7;;

**MN RTK:**

**NJ RTK:** Xylene, Ethylbenzene;; Ethylbenzene, CAS 100-41-1; Xylene, CAS 1330-20-7;;

**NY RTK:** Ethylbenzene, CAS 100-41-1; Xylene, CAS 1330-20-7;;

**PA RTK:** Xylene, Ethylbenzene;; Ethylbenzene, CAS 100-41-1; Xylene, CAS 1330-20-7;;

**RI RTK:** Xylene, Ethylbenzene;;

**Safe Drinking Water Act:** Xylene, RQ 100 lbs.; Ethylbenzene RQ 1000 lbs.; Toluene RQ 1000 lbs.

**Canada WHMIS** B-1, D-2A B-2 Class B-3  
**Hazard Class:**

**International Chemical Inventory Status:**

Australia AICS

Japan ENCS Listed or exempt

Korea ECL Listed or exempt

Canada DSL Listed or exempt

China IECSC

Europe EINECS

Phillipines PICCS

Canada NDSL Listed or exempt

Europe ELINCS

New Zealand Inv

**REACH :** All components are included in the REACH registry.

**Other Regulations**

US Clean Water Act: Any spill or release of petroleum oil product to "navigable waters" (essentially any surface water, including certain wetlands) or adjoining shorelines sufficient to cause a visible sheen or deposit of a sludge or emulsion must be reported immediately to the National Response Center (1-800-424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies as required.

Safety Data Sheet - according to: 1907/2006 EC (REACH), 1272/2008/EC (CLP), GHS ST\_SG\_AC10\_30\_Rev7e

Dynamic Fuel Injection Cleaner

## Section 16- Other Information:

**Revision Date** 7/26/2019

**Reasons For Revision** New Information From Supplier GHS

**Sec 16 Other Info** This Safety Data Sheet was prepared in good faith from the most recent information available, in accordance with ST/SG/AC.10/30/Rev.6. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.