



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 DIESEL FUEL INJECTOR CLEANER

Supplier: Professional Series, LLC.

Supplier Phone: (215) 234-3085

Supplier Address: 375 Ivyland Road, Suite 8

Formula Number 4689

Warminster, PA 18974

In Case of Spills or Medical Emergency:

North American 24 HRS, 7 DAYS  
1-800-424-9300 or  
Shipments: 1-703-527-3887  
International (CHEMTREC)  
Shipments: (215) 234-3085

Intended Use Industrial Cleaner / Rust Preventive

Uses To Avoid Applications subject to formation of mist in air within explosive ranges - see Section 9.

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), Acute Toxicity Dermal (Category 4), Acute Toxicity Inhalation (Category 4), Eye damage/irritation (Category 2A), Reproductive Toxicity (Category 2), Carcinogenicity (Category 2), Target Organ Toxicity - single dose (Cat 3), Target Organ Tox- repeated exp. (Cat 2), Aquatic Hazard- short term (Category 2), Aquatic Hazard-long term (Category 2), Aspiration Hazard (Category 1), Skin Corrosion/Irritation (Category 2),

Hazard Statements based on component information:

HAZARDS: Flammable liquid and vapor. Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Suspected of causing cancer. Breathing vapors may cause respiratory tract irritation or may cause drowsiness or dizziness. Repeated ingestion, absorption, or inhalation exposure may cause damage to kidneys, liver, lungs. Toxic to aquatic life. Toxic to aquatic life with long lasting effects. May be fatal if swallowed and

Precautions:

Always protect against possible inhalation of liquid into lungs. Never siphon this 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.

### Section 3 - Composition / Information on Ingredients

	<b>FN 4689</b>	<b>ACTS DYNAMIC DIESEL FUEL INJECTOR CLEANER</b>	
	<b>CAS Number</b>	<b>% Range</b>	
LIGHT PETROLEUM DISTILLATE	68476-34-6	60 - 100	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.
HYDROCARBON/AMINE MIXTURE	MIXTURE	15 - 40	

### 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 Difficulty breathing, dizziness, extreme drowsiness, eye irritation, loss of vision, skin rash.

Medical Attention

ACTS DYNAMIC DIESEL FUEL INJECTOR  
CLEANER**Section 5 - Fire Fighting Measures:**

Flash Point: 23C - 60C

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:

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### 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:

LIGHT PETROLEUM DISTILLATE	TWA 10ppm
HYDROCARBON/AMINE MIXTURE	No Known Hazard

### Personal Protective Gear

Eye/Face Protection: ANSI Z87.1-1989 ; Gloves: Latex or Neoprene; Workers should wear safety glasses, gloves, long sleeves, long pants, hair covering, and oil resistant shoes, when handling this product.

### 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

Appearance	Clear to Hazy Liquid	Upper Explosive Limit	5.4
Odor	Low Indescript	Lower Explosive Limit	0.7
Odor Threshold	No Data Available	Vapour Pressure	0.8mm Hg 20C
pH	N/A oil based	Vapour Density	>1 (air=1)
Melting Point	Liquid under intended use conditions	Relative Density	0.75 kg/l 60C
Freezing Point	0 to -20	Solubility	Hydrocarbons, Alcohols
Initial Boiling Point	No Data Available	Partition Coefficient	Log KOW > 4 (mineral oil data)
Boiling Range	313C - 432C	Auto Ignition Temp	Not Determined
Flash Point	23C - 60C	Decomposition Temp	Not Determined
Evaporation Rate	<1 (n-butyl acetate =1)	Viscosity cSt 40C	<14.5 cSt 40C

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## Section 10- Physical Properties:

Reactivity	May react violently if combined with strong oxidizers and heat.
Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Keep away from fire, sparks, and other sources of ignition.
Possibly Hazardous Reactions	None known.
Incompatible Materials	Strong acids and materials marked 'Oxidizer'.
Hazardous Decomposition Products	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:

Likely Routes of Exposure	Dermal exposure from handling. Intended use may include hand wiping or handling parts having product residues on them. Inhalation exposure to fumes is possible if used without adequate ventilation.
Ingestion	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.
Inhalation	No symptoms are expected under intended use conditions. Exposure to concentrated fumes may cause transient hypoxia.
Dermal/Eye	Dermal exposure results in defatting and localized irritation. Eye exposure causes transient stinging and blurred vision.

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

## Delayed Effects

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: LIGHT PETROLEUM DISTILLATE: Non Hazardous; HYDROCARBON/AMINE MIXTURE: LD50 3500 mg/Kg

Acute Skin Toxicity: LIGHT PETROLEUM DISTILLATE: No Data Available; HYDROCARBON/AMINE MIXTURE: LD50 4320 mg/Kg

Acute Toxicity Inhalation LIGHT PETROLEUM DISTILLATE: LD50 10=20mg/l; HYDROCARBON/AMINE MIXTURE: LD50 4000ppm mg/Kg

ACTS DYNAMIC DIESEL FUEL  
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**Skin Corrosion:** LIGHT PETROLEUM DISTILLATE: Cat 2 Irritant; HYDROCARBON/AMINE MIXTURE: Cat 2 Irritant

**Eye Corrosion:** LIGHT PETROLEUM DISTILLATE: Non-Categorized, Suspected Eye Irritant; HYDROCARBON/AMINE MIXTURE: Cat 2A Serious Irritation

**Respiratory Sensitization:** LIGHT PETROLEUM DISTILLATE: No Data Available; HYDROCARBON/AMINE MIXTURE: Non Sensitizing

**Skin Sensitization:** LIGHT PETROLEUM DISTILLATE: No Data Available; HYDROCARBON/AMINE MIXTURE: Non Sensitizing

**Germ Cell Mutagenicity:** LIGHT PETROLEUM DISTILLATE: No Hazard; HYDROCARBON/AMINE MIXTURE: No Data Available

**Carcinogen:** LIGHT PETROLEUM DISTILLATE: Cat 1B Presumed Human Effects; HYDROCARBON/AMINE MIXTURE: Cat 2 Suspected Human Effects

**Reproductive Effects:** LIGHT PETROLEUM DISTILLATE: No Data Available; HYDROCARBON/AMINE MIXTURE: Cat 1B Reproductive Toxicant

## Section 11- Toxicological Information: (continued)

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**Target Organ 1 Exposure:** LIGHT PETROLEUM DISTILLATE: Cat 3 Transient Toxicant - CNS, Liver, Kidneys; HYDROCARBON/AMINE MIXTURE: Cat 3 Transient Toxicant - CNS, Liver, Kidneys

**Target Organ Multiple Exposure:** LIGHT PETROLEUM DISTILLATE: Cat 2 Toxicant- CNS, Liver, Kidneys (animal data); HYDROCARBON/AMINE MIXTURE: No Data Available

**Aspiration Hazard:** LIGHT PETROLEUM DISTILLATE: Cat 1 Aspiration Hazard; HYDROCARBON/AMINE MIXTURE: No Data Available

**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:** LIGHT PETROLEUM DISTILLATE: L(E)C50 <=10mg/l; HYDROCARBON/AMINE MIXTURE: No Data Available

**Volatile Organic Content:**

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Aquatic Toxicity, Long Term: LIGHT PETROLEUM DISTILLATE: Cat 2 Chronic Aquatic Effects; HYDROCARBON/AMINE MIXTURE: No Data Available

### 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:

Disposal Containers & Methods	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.
Physical Chemical Properties Affecting Disposal	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.
Improper Disposal	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.

### Precautions for Landfill

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



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## 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 No Known Hazard or Not Listed

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

SARA 313 EHS No Known Hazard or Not Listed

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; Naphthalene; based on CA 65 List as of August 2018.

### US State Right To Know Information:

IL RTK: Naphthalene; kerosene; N-Methyl-2-pyrrolidinone 872-50-4; Ethylbenzene100-41-4; Xylene 1330-20-7; Methanol67-56-1;

MA RTK: Naphthalene; kerosene; N-Methyl-2-pyrrolidinone 872-50-4; Ethylbenzene100-41-4; Xylene 1330-20-7; Methanol67-56-1;

MN RTK:

NJ RTK: N-Methyl-2-pyrrolidinone 872-50-4; Ethylbenzene100-41-4; Xylene 1330-20-7; Methanol67-56-1;

NY RTK: N-Methyl-2-pyrrolidinone 872-50-4; Ethylbenzene100-41-4; Xylene 1330-20-7; Methanol67-56-1;

PA RTK: Naphthalene; kerosene; N-Methyl-2-pyrrolidinone 872-50-4; Ethylbenzene100-41-4; Xylene 1330-20-7; Methanol67-56-1;

RI RTK: Nothing Listed

Safe Drinking Water No Known Hazard or Not Listed

Act:

Canada WHMIS B-3, D-2A Class B-3, D-1B

Hazard Class:

### International Chemical Inventory Status:

Australia AICS

Japan ENCS

Korea ECL

Canada DSL

China IECSC

Europe EINECS

Phillipines PICCS

Canada NDSL

Europe ELINCS

New Zealand Inv

REACH : All components are included in the REACH registry.

Other Regulations



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## Section 16- Other Information:

Revision Date 7/6/2017

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.