

SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Prolong Diesel Fuel Injector Cleaner

Other means of identification PSL16122, PSL16123

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Diesel Fuel Injector Cleaner

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name GoldenWest Lubricants, Inc.
Supplier Address 1937 Mount Vernon Avenue
Pomona, CA 91768-3312
Supplier Phone Number Phone:909-865-3081
Fax:909-865-4467
Supplier Email info@gwlinc.com

Emergency telephone number

Chem-Trec (US & Canada) Phone: 800-424-9300
Chem-Trec (International) Phone: 703-527-3887 (Collect)




2. HAZARDS IDENTIFICATION

Classification

Flammable Liquids – Category 3
 Carcinogenicity – Category 2
 Specific Target Organ Toxicity (Single Exposure) [Respiratory tract irritation and Narcotic Effects]. – Category 3
 Aquatic Toxicity (Chronic) – Category 2]

GHS Label elements, including precautionary statements

Emergency Overview

<p>Signal word: Warning</p> 	<p>Hazard Statement: Suspected of causing cancer. May cause respiratory irritation. May be fatal if swallowed and enters airways. May cause drowsiness and dizziness.</p>	
<p>Appearance Amber</p>	<p>Physical State Oil Viscous liquid</p>	<p>Odor Strong Hydrocarbons</p>

Precautionary Statements - Prevention

Obtain special instructions before use. Do not breathe mist or vapor. Use personal protective equipment as required. Keep away from heat, sparks, open flames and hot surfaces. Do not eat, drink or smoke when using this product. Avoid release to the environment.

Precautionary Statements - Response

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. If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If ingested do not induce vomiting. If operating conditions create airborne concentrations that exceed the exposure standard, the use of an approved NIOSH/OSHA respirator for organic vapors or air-supplied breathing equipment is recommended.

Precautionary Statements - Storage

Store away from incompatible materials. Keep cool.

Precautionary Statements - Disposal

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

Hazards not otherwise classified (HNOC)

None known.

Unknown Toxicity

A percentage of this mixture consists of ingredient(s) of unknown toxicity.

Other information

Harmful to aquatic life with long lasting effects.



Interactions with Other Chemicals

No information available.

Substance/mixture: Mixture

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Distillates, Petroleum, Hydrotreated Light Naphthenic	64742-53-6	50-60%	
Solvent naphtha (petroleum), light aromatic	64742-95-6	10-31%	
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5	7-10%	
Benzene, 1,2,4-trimethyl-	95-63-6	7-14%	
Benzene, 1,3,5-trimethyl-	108-67-8	1.78-3.5%	
N-Propyl benzene	103-65-1	1.78-3.5%	
2-Ethyl hexanol	104-76-7	1.75-3%	

*The exact percentage (concentration) of composition has been withheld as a trade secret to protect confidentiality or due to batch variation.

4. FIRST AID MEASURES

First aid measures

General Advice

No information available.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if symptoms occur.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Continue to rinse for 15 minutes.

Inhalation

Remove to fresh air. Get medical attention immediately if symptoms occur.

Ingestion

Call a physician or poison control center immediately. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects

Inhalation: May cause dizziness and drowsiness. May cause respiratory irritation. Ingestion: May cause drowsiness and dizziness. May be fatal if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Treat symptomatically. Keep victim under observations. Symptoms may be delayed.

5. FIRE-FIGHTING MEASURES



Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Combustible – United States and Canada

Flammable – European Union

VAPOR MAY CAUSE FLASH FIRE. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Hazardous Combustion Products

Normal combustion forms carbon dioxide and water vapor, and may produce oxides of carbon, sulfur and nitrogen. Incomplete combustion can produce carbon monoxide.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures**Personal Precautions**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Shut off all ignition sources. No flares, smoking or flames in hazard area. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For Personal protection, see section 8 of the SDS.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Use spark-proof tools and explosion-proof equipment. Water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Provide adequate ventilation. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

Incompatible Products Oxidizing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Distillate (Petroleum) Hydro treated Light Naphthenic	TWA: 5 mg/m ³ , as oil mist, mineral	TWA: 5 mg/m ³ , as oil mist, mineral	
Solvent naphtha (petroleum), light aromatic		TWA: 500 ppm 8 hour(s)	
Solvent naphtha (petroleum), heavy aromatic		TWA 500 ppm 8 hour(s). TWA: 2000 mg/m ³ 8 hour(s)	
Benzene, 1,2,4-trimethyl-	TWA: 25 ppm		
Benzene, 1,3,5-trimethyl-	TWA: 25 ppm		
N-Propyl benzene			

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir. 1992) See section 15 for national exposure control parameters.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Tight sealing safety goggles.

Skin and Body Protection

Wear protective gloves and protective clothing. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the work shift. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.



Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. 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.

Thermal Hazards

Wear appropriate thermal protective clothing, when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Oil, Viscous liquid, Liquid	
Appearance	Oily Liquid	
Color	Amber	
Odor	Strong Hydrocarbons	
Odor Threshold	No information available	
<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	Unknown	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	87° C COC	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity(H²O=1):	.90 @ 15.6°C(Typical)	
Water Solubility	Insoluble in water	None known
Dynamic viscosity (cSt 100C)	No data available	None known
Dynamic viscosity (cSt 40C)	No data available	
Explosive properties	No data available	
Oxidizing Properties	No data available	
Density (lbs./gal):	No data available	
<u>Other Information</u>		
Softening Point	No data available	
VOC Content g/l)	No data available	



10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition and open flames.

Incompatible materials

Oxidizing agent.

Hazardous Decomposition Products

May cause dense smoke, oxides of carbon, nitrogen.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Irritating to respiratory system.
Eye Contact	Irritating to eyes. Does not meet EU R41 or R36 classification criteria.
Skin Contact	Irritating to skin.
Ingestion	May cause gastrointestinal irritation and diarrhea.
Component Information	Specific test data for the substance or mixture is not available.

Information on toxicological effects

Adverse Effects

-Adverse symptoms may include the following: In the presence of slight maternal toxicity, fetotoxic effects have been observed in the offspring of rats exposed by inhalation to Solvent Naphtha (petroleum) light aromatic.

-Adverse symptoms may include the following: liver, kidneys, lungs, and heart effects by dermal route and immune system effects by ingestion route. Not a developmental toxicant when administered dermally. Weak carcinogenic liver response was observed in mice, but not rats.

-Adverse symptoms may include the following: This product contains trimethylbenzene. Literature data indicate that long-term inhalation exposure causes blood effects in laboratory animals.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. Petroleum products are known to cause cancer because of carcinogenic components (e.g. benzene). These carcinogenic components may be removed during the refinement process.

Chemical Name	Result	Species	Dose	Exposure
Distillate (Petroleum) Hydro treated Light Naphthenic				
Solvent naphtha (petroleum), light aromatic	LD50 Oral	Rat	8400 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-
	LD50 Oral	Rat	2900 mg/kg	-
Solvent Naphtha (petroleum), heavy aromatic	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>2500 mg/kg	-
Benzene, 1,2,4-trimethyl-	LD50 Oral	Rat	5000 mg/kg	-
	LC50 Inhalation	Rat	18000 mg/m3	-
Benzene, 1,3,5-trimethyl-	LC50 Inhalation Vapor	Rat	24000 mg/m3	4 hours
2-Ethyl hexane	LD50 Dermal	Rabbit	1970 mg/kg	-
	LD50 Dermal	Rabbit	1700 mg/kg	-
	LD50 Oral	Mouse	2000 to 3800 mg/kg	-
N-Propyl benzene	LD50 Oral	Rat	6040 mg/kg	-

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

The International Agency for research on cancer had concluded that highly or severely refined light and middle distillates are Group 3 substances, "not classifiable as to their carcinogenicity to humans," based on inadequate information.

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive Toxicity May cause harm to breastfed babies.

STOT - single exposure No information available.

Name	Category	Route of Exposure	Target Organs
Solvent naphtha (petroleum), light aromatic	Category 3	Not applicable	Respiratory trace irritation and Narcotic effects
Benzene, 1,2,4-trimethyl-	Category 3	Not applicable	Respiratory tract irritation
Benzene, 1,3,5-trimethyl-	Category 3	Not applicable	Respiratory tract irritation
Propyl benzene	Category 3	Not applicable	Respiratory tract irritation

STOT - repeated exposure No information available.

Aspiration hazard

Name	Result
Solvent naphtha (petroleum), light aromatic	Aspiration Hazard – Category 1
Propyl benzene	Aspiration Hazard – Category 1



Information on the likely routes of exposure: Skin, Eyes, Ingestion, and Inhalation

Potential acute health effects

Inhalation: May cause drowsiness and dizziness. May cause respiratory irritation.
Skin contact: No known significant effects or critical hazards.
Ingestion: May cause drowsiness and dizziness. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: Adverse symptoms may include the following:
 Respiratory tract irritation
 Coughing
 Nausea or vomiting
 Headache
 Drowsiness/fatigue
 Dizziness/vertigo
 Unconsciousness

Eye contact: No known significant effects or critical hazards.

Ingestion: Adverse symptoms may include the following:
 Nausea or vomiting.

Skin contact: No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects: Not available.
Potential delayed effects: Not available.

Long term exposure

Potential immediate effects: Not available.
Potential delayed effects: Not available.

Potential chronic health effects

Not available.

Carcinogenicity:

Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Numerical measures of toxicity Product Information

Not Available

The following values are calculated based on chapter 3.1 of the GHS document

Not applicable

12. ECOLOGICAL INFORMATION

Eco toxicity

Environmental hazards:

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Based on calculation.

Environmental fate:

This product contains components which may be persistent in the environment.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Disposal methods

Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and y regional local authority requirement. Dispose of all surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Empty containers or liners may retain some product residues and must be cleaned or rinsed before disposal. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT	
UN Number	NA 1993
Proper Shipping Name	COMBUSTIBLE LIQUID, NOS (Petroleum Distillates) Exception: (Non-Regulated, See 49 CFR, 173,150-Ground, Ocean, Air)
Class	3
Packing Group	III
TDG	Not Regulated
ADR/RID/Class	Not Regulated
IATA	Not Regulated
IMDG/IMO	Not Regulated
ADG Class	Not Regulated

15. REGULATORY INFORMATION

EU regulations
Hazard symbols(s)

Risk phrases:
 R40-Limited evidence of a carcinogenic effect.
 R37-Irritating to respiratory system.
 R66-Repeated exposure may cause skin dryness or cracking
 R67- Vapors may cause drowsiness and dizziness.
 R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:
 S16-Keep away from sources of ignition- No smoking.
 S23-Do not breathe vapor.
 S36/37-Wear suitable protective clothing and gloves.
 S57-Use appropriate containment to avoid environmental contamination.

International Inventories

TSCA
 DSL/NDSL
 Complies.
 All components are listed either on the DSL or NDSL.



TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List.

Europe inventory – All components are listed or exempt.
Japan inventory (ENCS) – At least one component is not listed.
Australia inventory (AICS) – All components are listed or exempted.
Korea inventory (KECI) – All components are listed or exempted.
China inventory (IECSC) –All components are listed or exempted.
Philippines inventory (PICCS) – All components are listed or exempted.
New Zealand Inventory of Chemicals (NZIoC) – All components are listed or exempted.

US Federal Regulations

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Europe

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Australia

Classified as hazardous according to the criteria of Safe Work Australia and classified as dangerous goods according to the ADG Code.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

RQ(Reportable quantity)

CERCLA: Hazardous substances: Benzene: 10 lbs. (4.54 kg); Benzo[a]pyrene: 1 lb. (0.454 kg); Ethyl benzene: 1000 lbs. (454 kg).

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Ethyl benzene	Yes
Toluene	Yes
Benzene	Yes



Benzo[A]Pyrene	Yes
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U.S. State Right-to-Know Regulations

International Regulations

Mexico

National occupational exposure limits

Canada

WHMIS Hazard Class

Class B-3: Combustible liquid with a flash point between 37.8°C(100°F) and 93.9°C(200°F)
 Class D-2A: Material causing other toxic effects (Very toxic).
 Class D-2B: Material causing other toxic effects (Toxic).

16. OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 2	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazards 1*	Flammability 2	Physical Hazard 0	Personal Protection B
Chronic Hazard Star Legend * = Chronic Health Hazard				

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

