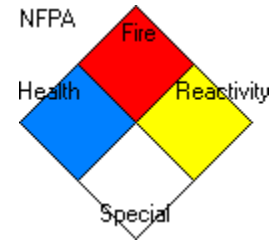


# MSDS - Material Safety Data Sheet

## **Product Name: SMART BLEND SYNTHETICS ONE ADVANCED FORMULA DIESEL FUEL INJECTOR CLEANER**

MSDS No.: 17014

**I. Basic Information:**



**Manufacturer:** LIFE AUTOMOTIVE PRODUCTS INC.

**Address:** 1210 MIDAS COVE, SUITE 101  
**City, ST Zip:** CORDOVA, TN 38018  
**Emergency Contact:** CHEMTREC  
**Emergency Telephone Number:** 800-424-9300  
**Contact:**  
**Information Telephone Number:**

**Last Update:** 4/2006

**Chemical State:**     Liquid                      Gas                      Solid

**Chemical Type:**        Pure                       Mixture

**2 Health**  
**2 Flammability**  
**0 Reactivity**  
**H Per. Protection**

**II. Ingredients:**

Trade Secret

| CAS No.  | Chemical Name                   | % Range      | EHS |  | IARC  |  | SARA | OSHA PEL    | ACGIH TLV   | Other Limits |
|----------|---------------------------------|--------------|-----|--|-------|--|------|-------------|-------------|--------------|
|          |                                 |              | NTP |  | SUB Z |  | 313  |             |             |              |
| 95636    | 1,2,4-Trimethylbenzene          | < 0.5        |     |  |       |  | X    | N/E         | 25 ppm      |              |
| 91203    | Naphthalene                     | 0.10 - 1.0   |     |  |       |  | X    | 10 ppm      | 10 ppm      | 10 ppm       |
| 68476346 | Petroleum distillate, Aliphatic | 60.0 - 100.0 |     |  |       |  |      | N/E         | 100 ppm     | N/E          |
| 64742945 | Petroleum naphtha               | 1.0 - 5.0    |     |  |       |  | X    | N/E         | N/E         | 100 ppm      |
| 25551137 | Trimethyl benzene               | 0.10 - 1.0   |     |  |       |  |      | 25 ppm (TW) | 25 ppm (TW) | NJ, PA       |

**III. Hazardous Identification:**

**Hazard Category:**

Acute                       Chronic                       Fire                      Pressure                      Reactive

**Hazardous Identification Information:**

Danger: Combustible. Harmful or Fatal if Swallowed. Eye and Skin Irritant..

**IV. First Aid Measures:**

**Route(s) of Entry:**

Absorption, Eye, Inhalation, and Ingestion.

**Health Hazards (Acute and Chronic):**

May cause chronic health effects, See signs and symptoms below

**Signs and Symptoms:**

Eye Contact: Irritant. Prolonged contact may cause conjunctivitis.  
 Skin Contact: Irritant. Defatting of tissue, dermatitis may occur.  
 Inhalation: Irritant to mucous membranes. Repeated exposure may cause narcosis and central nervous system effects such as visual impairment, difficulty breathing, and convulsions..  
 Ingestion: HARMFUL OR FATAL IF SWALLOWED. May cause irritation of the gastrointestinal lining, nausea, vomiting,

## ***MSDS - Material Safety Data Sheet***

### ***Product Name: SMART BLEND SYNTHETICS ONE ADVANCED FORMULA DIESEL FUEL INJECTOR CLEANER***

**MSDS No.:** 17014

diarrhea, and abdominal pain. May cause central nervous system depression..

**Medical Conditions Generally Aggravated by Exposure:**

None Known

**Emergency and First Aid Procedures:**

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids. Get prompt medical attention.

Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing becomes difficult get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

**Other Health Warnings:**

Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

**V. Fire Fighting Measures:**

**Flash Point:** 140°F

**Lower Explosive Limit:** N/D

**Upper Explosive Limit:** N/D

**F.P. Method:** TCC

**Fire Extinguishing Media:** Water Fog, Foam, Carbon Dioxide, Dry Chemical

**Special Fire Fighting Procedures:**

Wear self-contained positive pressure breathing apparatus and protective clothes. Cool containers with a water fog. Do not use forced water stream as this could cause the fire to spread.

**Unusual Fire and Explosion:**

Toxic fumes, gases or vapors may evolve on burning. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back.

**VI. Accidental Release Measures:**

**Steps to be Taken in Case Material is Released or Spilled:**

Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc). Using a non-metallic scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled

liquid using an explosion proof vacuum to recover material. Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

**VII. Handling and Storage:**

**Precautions to be Taken:**

Handling: Use with adequate ventilation and proper protective equipment. Wash thoroughly after handling.

Storage: Store in cool, dry area, away from oxidizing agents and sources of ignition. Keep containers closed when not in use.

**Other Precautions:**

Contact lenses may cause further damage in case of splash into eye. KEEP AWAY FROM CHILDREN AND ANIMALS!

**VIII. Exposure Controls/Personal Protection:**

**Ventilation Requirements:**

S

See Section 2 for applicable exposure limits. Maintain adequate ventilation.

Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. A self-contained breathing apparatus is

## ***MSDS - Material Safety Data Sheet***

### ***Product Name: SMART BLEND SYNTHETICS ONE ADVANCED FORMULA DIESEL FUEL INJECTOR CLEANER***

**MSDS No.:** 17014

required for vapor concentrations above TLV limits.

#### **Personal Protective Equipment:**

See Section 2 for applicable exposure limits. For prolonged exposure wear protective safety glasses, gloves, and apron.

#### ***IX. Physical and Chemical Properties:***

**Boiling Point:** >300°F

**Evaporation Rate (Butyl Acetate = 1):** N/D

**Specific Gravity (H<sub>2</sub>O = 1):** 0.86000

**Solubility In Water:** Slight

**Melting Point:** N/A

**Vapor Pressure (mm Hg.):** N/D

**Vapor Density (AIR = 1):** N/D

**Appearance and Odor:** Clear red liquid with petroleum odor

**Other Information:** N/D

#### ***X. Stability and Reactivity:***

##### **Stability:**

Material is normally stable at moderately elevated temperatures and pressures.

##### **Incompatibility (Materials to Avoid):**

Strong oxidizing agents

##### **Decomposition/By Products:**

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

##### **Hazardous Polymerization:**

Will not occur

#### ***XI. Toxicological Information:***

N/D

#### ***XII. Ecological Information:***

N/D

#### ***XIII. Disposal Considerations:***

DISPOSAL: This container may be recycled in a recycling centers when empty. Before offering for recycling, empty the can or bottle by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations

#### ***XIV. Transport Information:***

US. Department of Transportation (DOT)

Non-Bulk: Not Regulated

#### ***XV. Regulatory Information:***

See Section 2 for SARA Reportable Chemicals.

USA TSCA: All components of this material are listed on the US TSCA Inventory.

This fuel additive is registered in the United States

## ***MSDS - Material Safety Data Sheet***

### ***Product Name: SMART BLEND SYNTHETICS ONE ADVANCED FORMULA DIESEL FUEL INJECTOR CLEANER***

***MSDS No.: 17014***

Warning: This product contains a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.

Pennsylvania RTK  
Naphthalene CAS# 91-20-3  
Trimethylbenzene CAS# 25551-13-7

New Jersey RTK  
Naphthalene CAS# 91-20-3  
Trimethylbenzene CAS# 25551-13-7

#### ***XVI. Other Information:***

D  
Do not use in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye. KEEP AWAY FROM CHILDREN AND ANIMALS!

N/E: Not Established  
N/D: Not Determined  
N/A: Not Applicable  
N/AV: Not Available

While Life Automotive Products Inc. believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.