

# Material Safety Data Sheet

CS: 1.4.46

Page: 1 of 5

Infosafe No™ LPYAF

Issue Date : July 2009

ISSUED by ACDELCO

Product Name : ACDELCO FUEL INJECTOR CLEANER

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** ACDELCO FUEL INJECTOR CLEANER  
**Product Code** 88900162  
**Company Name** ACDELCO  
**Address** 91 Salmon Street Port Melbourne Melbourne  
VIC 3207 Australia  
**Emergency Tel.** 03 9797 7340  
**Telephone/Fax Number** Tel: 03 9797 7341 (Mon-Fri 9-5)  
**Recommended Use** To clean fuel injectors

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** HAZARDOUS SUBSTANCE.  
DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.

**Risk Phrase(s)** R10 Flammable.  
R36 Irritating to eyes.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.

**Safety Phrase(s)** S16 Keep away from sources of ignition - No smoking.  
S25 Avoid contact with eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S33 Take precautionary measures against static discharges.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S9 Keep container in a well ventilated place.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	White spirit	8052-41-3	30-60 %
	Ingredients determined not to be hazardous.		Balance

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

**Ingestion** Do NOT induce vomiting. Wash out mouth and lips with water. If symptoms develop or persist seek medical attention.

**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If symptoms persist seek medical attention.

**Eye** If in eyes, immediately hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.

**First Aid Facilities** Eye wash station, and normal washroom facilities.

**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Carbon dioxide, alcohol foam, water fog, dry chemical.

**Hazards from Combustion Products** Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

**Specific Hazards** Flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or

# Material Safety Data Sheet

CS: 1.4.46

Page: 2 of 5

Infosafe No™ LPYAF Issue Date : July 2009 ISSUED by ACDELCO

Product Name : ACDELCO FUEL INJECTOR CLEANER

**Hazchem Code** explosion hazard.  
3[Y]

**Precautions in connection with Fire** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Open containers carefully as they may be under pressure. Keep containers closed when not in use. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.

**Conditions for Safe Storage** Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No exposure standards have been established for this material by the Australian National Occupational Health & Safety Commission (NOHSC), however, the available exposure limits on the ingredients as provided by NOHSC are as follows:

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
White spirits	-	790	-	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

**Biological Limit Values** No biological limit available

**Engineering Controls** Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

**Respiratory Protection** If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS

# Material Safety Data Sheet

CS: 1.4.46

Page: 3 of 5

Infosafe No™ LPYAF	Issue Date : July 2009	ISSUED by ACDELCO
--------------------	------------------------	-------------------

Product Name : **ACDELCO FUEL INJECTOR CLEANER**

---

<b>Eye Protection</b>	1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances. Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
<b>Body Protection</b>	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

<b>Appearance</b>	Clear light yellow liquid
<b>Odour</b>	Hydrocarbon odour
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity</b>	0.83 at 15°C
<b>pH Value</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (Air=1)</b>	>1
<b>Volatile Component</b>	>95%
<b>Flash Point</b>	45°C
<b>Flammability</b>	Flammable
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	Not available
<b>Flammable Limits - Upper</b>	Not available

---

## 10. STABILITY AND REACTIVITY

---

<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid</b>	Heat, direct sunlight, open flames or other sources of ignition.
<b>Incompatible Materials</b>	Strong oxidisers.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

---

## 11. TOXICOLOGICAL INFORMATION

---

<b>Toxicology Information</b>	No toxicology data available for this product.
<b>Inhalation</b>	May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated.
<b>Ingestion</b>	Harmful-may cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause severe

# Material Safety Data Sheet

CS: 1.4.46

Page: 4 of 5

Infosafe No™ LPYAF	Issue Date : July 2009	ISSUED by ACDELCO
--------------------	------------------------	-------------------

Product Name : **ACDELCO FUEL INJECTOR CLEANER**

---

<b>Skin</b>	pulmonary injury that may lead to death. May cause irritation to the mouth, throat, esophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea. May be irritating to skin, which can result in redness and itching.
<b>Eye</b>	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
<b>Chronic Effects</b>	Not available

---

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Persistence / Degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	Aromatic hydrocarbons may be bioaccumulative but no food chain concentration potential.
<b>Environ. Protection</b>	Prevent substance from entering the waterways, drains and sewers.

---

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal Considerations</b>	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.
--------------------------------	--

---

## 14. TRANSPORT INFORMATION

<b>Transport Information</b>	This material is classified as a Class 3 (Flammable Liquids) Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 3 Dangerous Goods are incompatible in a placard load with any of the following: - Class 1, Explosives - Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk - Class 2.3, Toxic Gases - Class 4.2, Spontaneously Combustible Substances - Class 5.1, Oxidising Agents - Class 5.2, Organic Peroxides - Class 6, Toxic and Infectious Substances, if the Class 3 dangerous goods are nitromethane - Class 7, Radioactive Substances
<b>U.N. Number</b>	1993
<b>Proper Shipping Name</b>	FLAMMABLE LIQUID, N.O.S. - (contains White spirit)
<b>DG Class</b>	3
<b>Hazchem Code</b>	3[Y]
<b>Packaging Method</b>	3.8.3RT1
<b>Packing Group</b>	III
<b>EPG Number</b>	3A1
<b>IERG Number</b>	14

---

## 15. REGULATORY INFORMATION

<b>Regulatory Information</b>	Classified as Hazardous according to criteria of the National Occupational Health & Safety Commission (NOHSC) Australia. Classified as a Scheduled Poison S5 according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
<b>Poisons Schedule</b>	S5
<b>Hazard Category</b>	Harmful, Irritant, Dangerous for the environment

# Material Safety Data Sheet

CS: 1.4.46

Page: 5 of 5

Infosafe No™ LPYAF

Issue Date : July 2009

ISSUED by ACDELCO

Product Name : **ACDELCO FUEL INJECTOR CLEANER**

---

## 16. OTHER INFORMATION

---

**Date of preparation**      Date created: July 2009  
**or last revision of**  
**MSDS**

...End Of MSDS...

© Copyright ACOHS Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.  
The compilation of MSDS's displayed is the intellectual property of Acohs Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Acohs Pty Ltd.