

Material Safety Data Sheet

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

Product Name : ACDELCO ENGINE DEGREASER

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name ACDELCO ENGINE DEGREASER
Product Code 88901043
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 oil and grease build up from the exterior of engines.

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) R36/37/38 Irritating to eyes, respiratory system and skin.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrase(s) S23 Do not breathe gas/fumes/vapour/spray
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Petroleum gases, liquefied, sweetened	68476-86-8	1-5 %
	Disodium metasilicate	6834-92-0	0.1-1 %
	d-Limonene	5989-27-5	0.1-1 %
	Methanol	67-56-1	0-0.1 %
	Ingredients determined not to be hazardous	Not required	Balance

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

Skin Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention.

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

First Aid Facilities Normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice in an emergency, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use foam, water spray, carbon dioxide or dry chemical.

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Hazards from Combustion Products
Specific Hazards
Precautions in connection with Fire

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Aerosol containers may explode when heated. Keep away from naked flames, sparks and other sources of ignition. May release toxic fumes if involved in a fire.

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Extinguish or remove all sources of ignition. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Water spray or fog may be used to disperse/absorb vapour if any. Absorb or cover spilled liquid with sand, earth, or other inert, non-combustible materials if required. If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Collect residues and seal in labelled drums for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Conditions for Safe Storage

Avoid contact with eyes. Prevent build-up of vapours or mist in the atmosphere. Ensure ventilation is adequate.

Store in closed packing in a cool, dry, well-ventilated area, out of direct sunlight. Store between 5-40°C. Store away from incompatible materials such as oxidising materials agents. Do NOT pressurise, cut or heat aerosol containers. Content is under pressure and can explode violently.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No exposure value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC), Australia. However, the available exposure limits for ingredients are listed below:

National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Methanol	200	262	250	328	- Sk

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.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

No Biological limit available.

Biological Limit Values

Engineering Controls

Provide sufficient ventilation to keep airborne levels to the lowest possible levels. Where vapours or mists are generated, the use of respiratory protection, or a local exhaust ventilation system is recommended.

Respiratory Protection

Where ventilation is inadequate and vapours/mists are generated, the use of an approved respirator with filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended; however final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715- Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716- Respiratory Protective Devices.

Eye Protection

Wear safety glasses as appropriate when handling. Refer to Australian Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

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Hand Protection	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.
Footwear	Safety boots with non-slip soles as required.
Body Protection	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

Appearance	Yellow aerosol
Odour	Citrus
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Soluble
Specific Gravity	1.05 at 15°C
pH Value	11.7
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Volatile Component	4.2%
Flash Point	Not available
Flammability	Non flammable, however if involved in a fire may release toxic gases. Heat will build pressure and may rupture/explode aerosol containers.
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable
Other Information	Flame Projection: 0cm

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of handling and storage.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials	Oxidising agents.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	Not available
Inhalation	Inhalation of product vapours will cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion may cause a burning sensation and possible tissue damage to the gastrointestinal system.
Skin	Causes irritation on skin contact.
Eye	Will cause irritation in contact with the eyes, including redness, stinging and lachrymation.
Chronic Effects	Prolonged skin contact may result in severe swelling and blistering.
Other Information	

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12. ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic organisms.
Methanol:
LC50 (Fathead minnow): 29400 mg/L/96h
LC50 (Rainbow trout): 13-68 mg/L/96h

Persistence / Degradability Not available

Mobility Not available

Environ. Protection Prevent large quantities of this material from entering the environment.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Transport Information This material is classified as a Class 2.2 Dangerous Good according to the Australian Code for the Transport of Dangerous Goods. Class 2.2 Non-flammable Non-toxic Gases shall not be loaded or packed in the same vehicle or freight as:

- Class 1 (Explosives)
- Class 4.2 (Spontaneously Combustible Substances)
- Class 5.2 (Organic Peroxides).

U.N. Number 1950

Proper Shipping Name AEROSOLS

DG Class 2.2

Sub.Risk #

Packaging Method

Packing Group

EPG Number 2D1

IERG Number 49

15. REGULATORY INFORMATION

Regulatory Information Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Poisons Schedule Not Scheduled

Hazard Category Irritant

16. OTHER INFORMATION

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

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