

Material Safety Data Sheet

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

Product Name : ACDELCO CARBURETOR CLEANER

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name ACDELCO CARBURETOR CLEANER
Product Code 88901042
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 the external services of a carburetor

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.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36/38 Irritating to eyes and skin.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

Safety Phrase(s) S16 Keep away from sources of ignition - No smoking.
S2 Keep out of reach of children.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S38 If insufficient ventilation, wear suitable respiratory equipment.
S45 In case of accident or if you feel unwell seek medical advice immediately
S46 If swallowed, seek medical advice immediately and show this container or label.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.
S7 Keep container tightly closed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Xylene, Mixture of Isomers	1330-20-7	60-100 %
	Acetone	67-64-1	10-30 %
	Methanol	67-56-1	1-5 %

4. FIRST AID MEASURES

Inhalation Remove the affected person from contaminated area and if irritation persists, seek medical advice. If not breathing apply artificial respiration and seek immediate medical attention.

Ingestion Do NOT induce vomiting. Immediately wash mouth out with copious amounts of water. Seek immediate medical attention.

Skin Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. Seek medical attention.

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

First Aid Facilities Eye wash station and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice in an emergency, contact a Poisons Information Centre (Phone eg

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Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Water fog, foam, carbon dioxide or chemical powder.
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 explosion hazard. Aerosol containers may explode when heated or may become a projectile in a fire.
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.
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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. Protect from freezing. Store below 40°C. 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 value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC), Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits on the ingredients are as follows:
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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
Xylene	80	350	150	655	

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Acetone	500	1185	1000	2375
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TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.
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.

According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.

'Sk' notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

No Biological limit available.

Biological Limit Values**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 flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1:1997 : Classification of hazardous areas - Examples of area classification - General, for further information concerning ventilation requirements.

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 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.

Eye Protection

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.

Hand Protection

Wear gloves of impervious material, such as nitrile gloves, butyl rubber. 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.

Body Protection

Suitable protective clothing should be worn e.g. laboratory coats or cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear, light yellow aerosol**Odour** Hydrocarbon odour**Melting Point** Not available**Boiling Point** Not available**Solubility in Water** Not available**Specific Gravity** Not available**pH Value** Not available**Flash Point** 29°C (Xylene)
-24°C - -9.4°C (Acetone)**Flammability** Flammable**Auto-Ignition Temperature** Not available**Flammable Limits - Lower** Not available

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Flammable Limits - Upper Not available

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions.

Conditions to Avoid Heat, direct sunlight, open flames or other sources of ignition.

Incompatible Materials Strong oxidising agents.

Hazardous Decomposition Products Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information No toxicity data is available for this material.
For Xylene:
LC50 (Inh, Rat): 5000 ppm/4H
LD50 (Rat, Oral): 4300 mg/kg

For Acetone:
LC50 (Rat, Inh): 50100 mg/m3
LD50 (Rat, Oral): 5800 mg/kg

For Methanol:
LC50 (Rat, Inh): 64000
LD50 (Rat, Oral): 5600 mg/kg

Inhalation Harmful by inhalation. Inhalation may cause headaches, impairment of judgement and in extreme cases can lead to unconsciousness or death. Possible risk of irreversible effects.

Ingestion Harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea. Possible risk of irreversible effects.

Skin Harmful in contact with skin. Product can be absorbed through skin with resultant toxic systemic effects. Irritating to skin. Symptoms may include redness and itchiness. Repeated exposure may cause skin dryness and cracking, and may lead to dermatitis. Possible risk of irreversible effects.

Eye Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

Chronic Effects Animals exposed to Acetone over long periods of time developed eye and kidney damage. Long term exposure to high levels of methanol vapours may cause dizziness, disturbed sleep and severe recurrent headaches, impaired vision and damage to the kidneys, heart and other internal organs. Xylene has caused cardiac, liver and kidney effects and anemia in laboratory test animals. Chronic overexposure to solvents such as xylene can cause nervous system damage.

12. ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic organisms.

Methanol:
LC50 (Fathead minnow): 29400 mg/L/96h
LC50 (Rainbow trout): 13-68 mg/L/96h

For Xylene mixtures of Isomers:
LC50 (Fathead minnow): 16.1 mg/L/96h
LC50 (Rainbow trout): 8.05 mg/L/96h

Acetone:
LC50 (Fathead minnow): 7280-8120 mg/L/96h
LC50 (Rainbow trout): 5540 mg/L/96h

Persistence / Degradability Not available

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Mobility	Not available
Bioaccumulative Potential	May be bioaccumulative but no food chain concentration potential.
Environ. Protection	Do not discharge the product into waterways, drains or sewers.

13. DISPOSAL CONSIDERATIONS

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

Transport Information	This material is classified as a Class 2.1 (Flammable Gases) Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road or Rail. Class 2.1 Dangerous Goods are incompatible in a placard load with any of the following: <ul style="list-style-type: none">- Class 1, Explosives- Class 3, Flammable Liquids, if both the Class 2.1 and Class 3 dangerous goods are in bulk- Class 4.1, Flammable Solids- Class 4.2, Spontaneously Combustible Substances- Class 4.3, Dangerous When Wet Substances- Class 5.1, Oxidising Agents- Class 5.2, Organic Peroxides- Class 7, Radioactive Substances
U.N. Number	1950
Proper Shipping Name	AEROSOLS - (contains xylene, acetone and ethanol)
DG Class	2.1
Packaging Method	
Packing Group	
EPG Number	2D1
IERG Number	49

15. REGULATORY INFORMATION

Regulatory Information	Australia: 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	Harmful, Irritant, Dangerous for the environment
AICS (Australia)	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS), or otherwise are in compliance with the NICNAS requirements.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Created: July 2009 ...End Of MSDS...
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