

Material Safety Data Sheet

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Infosafe No™ LPYAI Issue Date : August 2009 ISSUED by ACDELCO

Product Name : ACDELCO SUPER PENETRANT

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name ACDELCO SUPER PENETRANT
Product Code 88900164
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 penetrate rust and corrosion to help free seized parts

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.
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.
S29 Do not empty into drains.
S33 Take precautionary measures against static discharges.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S7 Keep container tightly closed.
S9 Keep container in a well ventilated place.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Petroleum gases, liquefied, sweetened	68476-86-8	10-30 %
	Xylene, mixed isomers	1330-20-7	1-5 %
	2-Butoxyethanol	111-76-2	1-5 %
	Ingredients deemed not to be hazardous		Balance

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Keep at rest until recovered. Seek medical attention.

Ingestion Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

Skin Wash affected area thoroughly with soap and water. 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 An eye wash fountain, safety shower and a general washing facility.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Foam, dry chemical, carbon dioxide, water spray or fog.

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Hazards from Combustion Products
Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, oxides of sulphur, nitrogen and phosphorous.

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.

Precautions in connection with 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. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

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. Storage temperatures should not exceed 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 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	
2-Butoxyethanol	20	96.9	50	242	- Sk
Xylene	80	350	150	655	

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.

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Product Name : **ACDELCO SUPER PENETRANT****Biological Limit Values**

'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 allocated.

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

Where ventilation is inadequate and vapours or mists are generated the use of an approved respirator with filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended. 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

Chemical safety glasses or face shield recommended as appropriate. Final choice of appropriate eye/face protection will vary according to individual circumstances including methods of handling or engineering controls as determined by appropriate risk assessments. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

Hand Protection

Impervious gloves recommended as appropriate. Final choice of appropriate glove type will vary according to individual circumstances, including methods of handling or engineering controls as determined by appropriate risk assessments. Refer to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

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	Cloudy, amber aerosol spray
Odour	An aromatic odour
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Insoluble
Specific Gravity	0.82-0.85 at 15°C
pH Value	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	>1
Volatile Component	25%
Flash Point	78°C (Liquid component)
Flammability	Flammable.
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

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Product Name : **ACDELCO SUPER PENETRANT**

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

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data are available for this specific product, however toxicity data for constituents are stated below: 2-Butoxyethanol: LD50 (Rat, Oral): 250 mg/kg Xylene: LD50 (Rat, Oral): 5000ppm/4H LD50 (Dermal, Rabbit): >1700mg/kg
Inhalation	Irritating to respiratory system. Inhalation of product vapours will cause irritation of the nose, throat and respiratory system. High concentration of solvent vapours can be harmful in enclosed spaces. Excessive inhalation of vapours can affect the central nervous system leading to a loss of coordination and impaired judgment. Prolonged exposure can lead to stupor or unconsciousness. Deliberate inhalation of concentrated vapours, commonly known as 'chroming', may prove fatal.
Ingestion	Harmful: may cause lung damage if swallowed. Ingestion of this product may irritate the gastric tract causing nausea and vomiting. Ingestion may cause CNS depression with symptoms including drowsiness, dizziness, fatigue, confusion and possible unconsciousness.
Skin	Irritating to skin. The symptoms may include redness, itching and swelling. May cause sensitization by skin contact.
Eye	Irritating to eyes. The symptoms may include redness, itching and tearing.
Chronic Effects	Prolonged or repeated use may cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecological data are available for this material. For Xylene mixtures of Isomers: LC50 (Fathead minnow): 16.1 mg/L/96h LC50 (Rainbow trout): 8.05 mg/L/96h For 2-Butoxyethanol: LC50 (Goldfish): 1650-1700 mg/L/24h LC50 (Bluegrill): 1490 mg/L/96h
Persistence / Degradability	Not available
Mobility	Not available
Environ. Protection	Do not allow product to enter drains.
Other Information	Will adversely affect water quality for potable and industrial (cooling water) supplies. May be toxic to many forms of aquatic organism.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to federal, E.P.A., state and local regulations. Assure conformity with all applicable 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
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or Rail.

Class 2.1 Dangerous Goods are incompatible in a placard load with any of the following:

- 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 PETROLEUM GASES)

DG Class 2.1

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 Harmful, Irritant

16. OTHER INFORMATION

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

MSDS

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