

Material Safety Data Sheet

AC DELCO SAE 20W50 SELECT ENGINE OIL

Infosafe™ No. LQ2EB

Issue Date April 2015

Status ISSUED by
ACDELCO

BS:
1.16.148

1. Identification

GHS Product Identifier AC DELCO SAE 20W50 SELECT ENGINE OIL
Product Code 2977
Company Name ACDELCO
Address 191 Salmon Street Port Melbourne Melbourne
VIC 3207
Emergency phone number 1800 638 556 (24hrs)
Recommended use of the chemical and restrictions on use Supplied as a high performance diesel engine oil for use in suitable applications only.
Other Names None Listed

2. Hazard Identification

GHS classification of the substance/mixture Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Mineral oil		70-100 %
	Zinc Dialkyldithiophosphate	68649-42-3	0-0.99 %
	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 develop and/or persist 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. If symptoms develop seek medical attention.

Eye contact If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

First Aid Facilities	Eyewash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Use dry chemical, foam, water spray or water mist or carbon dioxide.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.
Specific hazards arising from the chemical	Combustible. This product will burn if exposed to fire.
Decomposition Temp.	Not available
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 and waste management authorities in accordance with local regulations.
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7. Handling and storage

Precautions for Safe Handling	Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene by washing hands prior to eating, drinking, smoking or using toilet facilities.
Conditions for safe storage, including any incompatibilities	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, 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. Ensure that storage conditions comply with applicable local and national regulations. 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.
Storage Regulations	Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940.

8. Exposure controls/personal protection

Occupational exposure limit values	<p>No exposure standards have been established for this material, however, the TWA exposure standards for refined mineral oil mist is 5 mg/m³. As with all chemicals, exposure should be kept to the lowest possible levels.</p> <p>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.</p> <p>Source: Safe Work Australia</p>
Biological Limit Values	<p>No biological limits allocated.</p>
Appropriate engineering controls	<p>Provide sufficient ventilation to keep airborne levels below the exposure limits or as low as possible. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to relevant regulations for further information concerning ventilation requirements.</p>
Respiratory Protection	<p>If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.</p> <p>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, in order to make any necessary changes for individual circumstances.</p>
Eye Protection	<p>Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.</p> <p>Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.</p>
Hand Protection	<p>Wear gloves of impervious material such as PVC. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken.</p> <p>Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.</p>
Body Protection	<p>Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.</p>

9. Physical and chemical properties

Form	Liquid
Appearance	Liquid, mobile
Colour	Amber
Odour	Not available
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	Greater than 316°C (typical)
Solubility in Water	Not miscible
Specific Gravity	0.89 kg/L (typical) (at 15°C)
pH	Not applicable
Vapour Pressure	<0.1 mmHg (25°C)

Vapour Density (Air=1)	Not available
Evaporation Rate	Not available
Odour Threshold	Not available
Viscosity	Not available
Pour Point	Not available
Partition Coefficient: n-octanol/water	Not available
Flash Point	220°C (typical)
Flammability	Combustible
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. Stability and reactivity

Reactivity	Reacts with incompatible materials.
Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat, open flames and other sources of ignition.
Incompatible Materials	Strong oxidizing agents or combustible materials.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, carbon dioxide and oxides of nitrogen.
Hazardous Polymerization	Not available

11. Toxicological Information

Toxicology Information	No toxicology data available for this product.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Skin	May be irritating to skin. The symptoms may include redness, itching and swelling. Prolonged or repeated skin contact may lead to dermatitis.
Eye	May be irritating to eyes. The symptoms may include redness, itching and tearing.
Respiratory sensitisation	Not expected to be a respiratory sensitiser.
Skin Sensitisation	Not expected to be a skin sensitiser.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Not considered to be a carcinogenic hazard.
Reproductive	Not considered to be toxic to reproduction.

Toxicity	
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	Not expected to be an aspiration hazard.

12. Ecological information

Ecotoxicity	No ecological data available for this material.
Persistence and degradability	Non-biodegradable
Mobility	Not available
Bioaccumulative Potential	Not available
Other Adverse Effects	Not available
Environment Protection	Prevent this material entering waterways, drains and 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	<p>Road and Rail Transport (ADG Code): Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).</p> <p>Marine Transport (IMO/IMDG): Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.</p> <p>Air Transport (ICAO/IATA): Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.</p>
IMDG Marine pollutant	No

15. Regulatory information

Regulatory Information	Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). (Exempted)
Poisons Schedule	Not Scheduled

16. Other Information

Date of preparation or last revision of SDS	SDS Reviewed: April 2015 Supersedes: February 2012
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**Literature
References**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Workplace exposure standards for airborne contaminants, Safe work Australia.
American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of classification and labelling of chemicals.

User Codes

<u>User Title Label</u>	<u>User Code</u>
Approval Number	3751
Approval Number	9593
Part Number	12378293
Part Number	12378294
Part Number	12378295
Part Number	12378296
Part Number	12378308
Part Number	12378347
Part Number	12378388
Part Number	2977005
Part Number	88900934
Part Number	88900935
Part Number	88900936
Part Number	88900937
Part Number	92145266

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