

Material Safety Data Sheet

AC DELCO SELECT PLUS SEMI SYNTHETIC 10W 40

Infosafe™ No. LQ2ME

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Status ISSUED by
ACDELCO

BS:
1.16.148

1. Identification

GHS Product Identifier

AC DELCO SELECT PLUS SEMI SYNTHETIC 10W 40

Product Code

4436

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 synthetic, high performance engine oil for cars and light commercial with petrol and diesel engines.

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 |
|-------------|---|---------|------------|
| | Additives | Mixture | <10 % |
| | 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

Eyewash and normal washroom facilities.

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.

Unsuitable Extinguishing Media

Do not use full water jet.

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.

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

Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of

Regulations storage and handling, in accordance with the requirements of AS1940.

8. Exposure controls/personal protection

| | |
|---|--|
| Occupational exposure limit values | No exposure standards have been established for this material, however, the TWA exposure standards for refined mineral oil mist is 5 mg/m ³ . As with all chemicals, exposure should be kept to the lowest possible levels. 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. Source: Safe Work Australia |
| Biological Limit Values | No biological limits allocated. |
| Appropriate engineering controls | 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. |
| Respiratory Protection | 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. 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. |
| Eye Protection | 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. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications. |
| Hand Protection | Wear gloves of impervious material such as butyl or nitrile rubber. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: 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. |

9. Physical and chemical properties

| | |
|----------------------------------|-----------------------|
| Form | Liquid |
| Appearance | Liquid |
| Colour | Clear brown |
| Odour | Not available |
| Decomposition Temperature | Not available |
| Melting Point | Not available |
| Boiling Point | Not available |
| Solubility in Water | Insoluble |
| Specific Gravity | 0.86 (15°C) (typical) |

| | |
|---|--|
| pH | Not applicable |
| Vapour Pressure | Not available |
| Vapour Density (Air=1) | Not available |
| Evaporation Rate | Not available |
| Odour Threshold | Not available |
| Pour Point | Not available |
| Partition Coefficient: n-octanol/water | Not available |
| Flash Point | 200°C (typical) |
| Flammability | Combustible |
| Auto-Ignition Temperature | Not available |
| Flammable Limits - Lower | Not available |
| Flammable Limits - Upper | Not available |
| Kinematic Viscosity | 100.0 cSt (typical) (at 40°C) 14.5 cSt (typical) (at 100°C) |

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. |
| 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 | Not considered to be a mutagenic hazard. |

mutagenicity

Carcinogenicity Not considered to be a carcinogenic hazard.

Reproductive Toxicity Not considered to be toxic to reproduction.

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 Not available

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.

14. Transport information

Transport Information 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).

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.

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.

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: May 2013

**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

User Title Label

User Code

Part Number
Part Number
Part Number

19280517
19280518
19280519

End of MSDS

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