

MATERIAL SAFETY DATA SHEET

ACDelco 5W-30



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ACDelco 5W-30
SYNONYMS: None
PRODUCT CODES: 0207900
MANUFACTURER: Wakefield Canada Inc.
ADDRESS: 3620 Lake Shore Blvd. W
Toronto, Ontario
M8W 1P2

EMERGENCY PHONE: MSDS Coordinator 1-416-252-5511/1-800-268-5339 Ext. 2240 (9am-5pm EST)

PRODUCT USE: Engine Oil

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

Component	CAS NO.	% WT
Zinc alkyldithiophosphate	57-13-6	0.85 %
Diphenylamine	7732-18-5	0.08 %

Mixture of severely hydrotreated and hydrocracked base oil (petroleum). The base oil may be a mixture of the following CAS#s: 8042-47-5, 64742-46-7, 64742-47-8, 64742-53-6, 64742-54-7, 64742-55-8, 72623-84-8, 72623-85-9, 72623-86-0, 72623-87-1, 178603-64-0, 178603-65-1, 178603-66-2, and 445411-73-4

SECTION 3: HAZARDS IDENTIFICATION

Physical state: Viscous liquid
Odour: Mild petroleum oil like
WHMIS: Not controlled under WHMIS
Route of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

EMERGENCY OVERVIEW: See Fire Fighting (Section 5)/Accidental Release (Section 6) Measures

POTENTIAL ACUTE HEALTH EFFECTS

EYES: Slightly irritating to the eyes.
SKIN: Slightly irritating to the skin.
INGESTION: No known significant effects or critical hazards.
INHALATION: No known significant effects or critical hazards.

CHRONIC HEALTH HAZARDS

CHRONIC EFFECTS: No known significant effects or critical hazards.
CARCINOGENICITY: Not listed as carcinogenic by NTP or IARC.
MUTAGENICITY: No known significant effects or critical hazards.
TERATOGENICITY: No known significant effects or critical hazards.
DEVELOPMENTAL EFFECTS: No known significant effects or critical hazards.
FERTILITY EFFECTS: No known significant effects or critical hazards.

MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE: Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation or severe skin irritation.

SECTION 4: FIRST AID MEASURES

EYES: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

INGESTION: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

INHALATION: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

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NOTES TO PHYSICIAN: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability of the product: May be combustible at high temperature.

Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Special Exposure Hazards: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action will be taken involving any personal risk or without suitable training.

Products of Combustion: Carbon oxides (CO, CO₂), sulphur oxides (Sox), calcium oxides (CaOx), aldehydes, smoke and irritating vapours as products of incomplete combustion.

Special Protective Equipment for Firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Special Remarks on Fire Hazards: Low fire hazard. This material must be heated before ignition will occur.

Special Remarks on Explosion Hazards: Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precaution: No action will be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering release area. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8)

Environment precaution: Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways soil or air).

Small spill cleanup: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill cleanup: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry in sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material i.e. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

SECTION 7: HANDLING AND STORAGE

Handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environment contamination.

Pumping Temperature: Ambient

Maximum Handling Temperature: 70 °C, 158 °F

Handling Procedures: Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product.

Maximum Storage Temperature: 45 °C, 113 °F

Storage Procedures Odorous and toxic fumes may form from the decomposition of this product if stored at temperatures in excess of 113 deg F (45 deg C) for extended periods of time or if heat sources in excess of 250 deg F (121 deg C) are used. Material will solidify during storage. Do not hold at high temperatures for long periods.

Loading Temperature 70 °C, 158 °F

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:	ACGIH & Reg. 833	Reg. 833
Mineral Oil (mists)	5mg/cm ³ TWA	10 mg/cm ³ STEL
Toluene	200 ppm TWA	N/A

ENGINEERING CONTROLS: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

RESPIRATORY PROTECTION: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: organic vapour filter. Respirator should be approved by CSA Z94.4-02.

EYE PROTECTION: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

SKIN PROTECTION: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

HANDS: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: neoprene, nitrile, polyvinyl alcohol (PVA), Viton.[®]

HYGIENE MEASURES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the washroom and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

INDUSTRIAL HYGIENE: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

ENVIRONMENTAL EXPOSURE CONTROLS: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Reported in typical values and do not constitute a specification.

PHYSICAL STATE:	Viscous Liquid.
ODOUR:	Mild petroleum oil like.
ODOUR THRESHOLD:	Not available.
COLOUR:	Light amber.
FLASH POINT:	216 °C, (420.8 °F) Open cup (Cleveland).
AUTOIGNITION POINT:	Fire Point: 251 °C, (483.8 °F).
FLAMMABLE LIMITS:	Not available.
VAPOUR PRESSURE:	Not Available.
VAPOUR DENSITY:	Not Available.
VOLATILITY:	Not Available.
pH:	Not Available.
EVAPORATION RATE:	Not Available
VISCOSITY:	77.7 cSt @ 40 °C (104 °F), 11.77 cSt @ 100 °C (212 °F), VI=146.
RELATIVE DENSITY:	0.8574 kg/L @ 15 °C (59 °F).
BOILING/CONDENSATION POINT:	Not Available.
POUR POINT TEMPERATURE:	-45 °C, (-49 °F).
MELTING/FREEZING POINT:	Not Available.
SOLUBILITY:	Insoluble in water.

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: The product is stable.

HAZARDOUS POLYMERISATION: Under normal conditions of storage and use, hazardous polymerization will not occur.

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INCOMPATIBILITY (MATERIAL TO AVOID): Reactive with oxidizing agents, acids, halogens and halogenated compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: May release CO_x, H₂S, aldehydes, alkyl mercaptans, sulfides, methacrylate monomers, smoke and irritating vapours when heated to decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: Not available

Chronic Toxicity: Not available.

Irritation/Corrosion: Not available.

Carcinogenicity: Contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC.

Sensitiser: Not available.

Reproductive Toxicity: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

SECTION 12: ECOLOGICAL INFORMATION

Environmental effects:

Aquatic ecotoxicity: Not available.

Biodegradability: Not available.

Other adverse effects: No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of split material and runoff and contact with oil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

TDG: Not Regulated under Transportation of Dangerous Goods

SECTION 15: REGULATORY INFORMATION

WHMIS Information: This product is not a WHMIS controlled product in Canada. Refer elsewhere in the MSDS for specific warnings and safe handling information. Refer to the employer's workplace education program. **Domestic Substance List (DSL)** – All ingredients are listed or exempted on the Domestic Substances List (DSL).

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION:

DISCLAIMER: The information in this MSDS was obtained from sources, which we believe are reliable. All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. Wakefield Canada Inc. shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected by any hazards described in this sheet and of any precautions that should be taken.

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