



# Safety Data Sheet

Product identifier used on the label: DURAGARD® SAE 50WT  
SINGLE GRADE HEAVY DUTY ENGINE OIL  
Stock Number: DUR50  
Revision Date: 06-02-2020  
Replaces:

## 1. Identification

**Product identifier used on the label:** DURAGARD® SAE 50WT SINGLE GRADE HEAVY DUTY ENGINE OIL  
**Stock Number:** DUR50

**Other means of identification:**

**Synonyms:** No data available

**Recommended use of the chemical and restrictions on use:**

**Recommended use:** Engine Oil

**Restrictions on use:** Uses other than those described above

**Name, address, and telephone number of the chemical manufacturer, distributor, importer, or other responsible party:**

**Advantage Dist. & Lubricants, LLC**  
3434 Marion Road SE  
Rochester, MN 55904  
United States of America  
www.advantagelubes.com

**Phone number:** +01 (800) 420-1414 +01 (507) 289-5555

**E-mail address:** info@advantagelubes.com

**Emergency phone number:** CHEMTREC: +1 (800) 424-9300 International: +01 (703) 527-3887

## 2. Hazard(s) identification

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

**GHS Classification:** Hazardous to the aquatic environment - Acute Category 3

**Hazard Statements:** Harmful to aquatic life

**Precautionary Statements:**

**Prevention:** Avoid release to the environment.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazards not otherwise classified:** No data available

## 3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Petroleum distillates, hydrotreated heavy paraffinic	No data available	64742-54-7	30 - 60
Residual oils (petroleum), solvent dewaxed	No data available	64742-62-7	30 - 60
Phosphorodithioc acid, O,O-di-	No data available	68649-42-3	0.5 - 1.5

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C1-14-alkyl esters zinc salts			
Petroleum distillates, solvent-refined heavy paraffinic	No data available	64741-88-4	0.1 - 1
Petroleum distillates, hydrotreated light paraffinic	No data available	64742-55-8	0.1 - 1

**One or more hazardous ingredient(s) is claimed as a trade secret under the OSHA Hazard Communication Standard. The hazards of this (these) ingredient(s) are given on this SDS.**

## 4. First-aid measures

**Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:**

<b>Inhalation:</b>	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
<b>Eye Contact:</b>	None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.
<b>Skin Contact:</b>	Wash with soap and water. Get medical attention if irritation develops or persists.
<b>Ingestion:</b>	No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.

**Most important symptoms/effects, acute and delayed:** No data available

**Indication of immediate medical attention and special treatment needed, if necessary:** No additional first aid information available.

## 5. Fire-fighting measures

**Suitable (and unsuitable) extinguishing media:**

**Suitable extinguishing media:** Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

**Unsuitable extinguishing media:** No data available

**Specific hazards arising from the** Material may be ignited only if preheated to temperatures above the

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**chemical:** high flash point, for example in a fire.

**Hazardous combustion products:** Carbon dioxide, Carbon monoxide

**Special protective equipment and precautions for fire-fighters:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Avoid release to the environment.

**Methods and materials for containment and cleaning up:** Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center.

## 7. Handling and storage

**Precautions for safe handling:** Mildly irritating material. Avoid unnecessary exposure. Follow all protective equipment recommendations provided in Section 8.

**Conditions for safe storage, including any incompatibilities:**

**Safe storage conditions:** Store in a cool dry place. Isolate from incompatible materials.

**Materials to Avoid/Chemical Incompatibility:** Strong oxidizing agents

## 8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH
Petroleum distillates, hydrotreated heavy paraffinic	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	No data available
Petroleum distillates, solvent-refined heavy	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	No data available

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paraffinic				
Petroleum distillates, hydrotreated light paraffinic	5 mg/m3	5 mg/m3	10 mg/m3	No data available

**Appropriate engineering controls:** Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

**Individual protection measures, such as personal protective equipment:**

**Respiratory Protection:** Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

**Respirator Type(s):** None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

**Eye protection:** No special requirements under normal industrial use.

**Skin protection:** Where use can result in skin contact, practice good personal hygiene and wear impervious gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Gloves:** Neoprene, Nitrile

**General hygiene conditions:** Follow all protective equipment recommendations provided in Section 8.

## 9. Physical and chemical properties

**Appearance (physical state, color etc.):**

**Physical state:** Liquid

**Color:** Brown

**Odor:** Mild

**Odor Threshold:** Not determined

**pH:** No data available

**Melting point/freezing point:**

**Melting Point:** No data available

**Freezing point:** No data available

**Initial boiling point and boiling range (°C):** No data available

**Flash Point (°C):** 211

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<b>Evaporation Rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	
<b>Upper flammability or explosive limits:</b>	Not established
<b>Lower flammability or explosive limits:</b>	Not established
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative density:</b>	0.89
<b>Solubility(ies):</b>	Negligible; 0-1%
<b>Partition coefficient: n-octanol/water:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition Temperature:</b>	Not determined
<b>Viscosity:</b>	218.4

## 10. Stability and reactivity

<b>Reactivity:</b>	There are no known reactivity hazards associated with this product.
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	None expected under standard conditions of storage.
<b>Conditions to avoid (e.g., static discharge, shock, or vibration):</b>	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Moisture (will lead to product performance degradation).
<b>Incompatible materials:</b>	Strong oxidizing agents
<b>Hazardous decomposition products:</b>	No data available

## 11. Toxicological information

**Description of the various toxicological (health) effects and the available data used to identify those effects:**

<b>Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):</b>	Inhalation, Ingestion, Skin contact, Eye contact
<b>Symptoms related to the physical, chemical and toxicological</b>	No data available

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characteristics:

## Delayed and immediate effects and also chronic effects from short- and long-term exposure:

<b>Ingestion:</b>	No hazard in normal industrial use. Estimated to be > 5.0 g/kg.
<b>Skin Contact:</b>	This material is likely to be slightly irritating to skin based on animal data. Can cause minor skin irritation, defatting, and dermatitis.
<b>Absorption:</b>	Estimated to be > 5.0 g/kg; practically non-toxic
<b>Inhalation:</b>	No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.
<b>Eye Contact:</b>	This material is estimated to be non-irritating eyes (Draize score <15 [rabbits]). No hazard in normal industrial use.
<b>Sensitization:</b>	Non-hazardous under Respiratory Sensitization category. No data available to indicate product or components may be a skin sensitizer.
<b>Mutagenicity:</b>	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
<b>Carcinogenicity:</b>	Not expected to cause cancer. This product meets the IP-346 criteria of <3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.
<b>Reproductive toxicity</b>	Not known or reported to cause reproductive or developmental toxicity.
<b>STOT-single exposure:</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure:</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard:</b>	Based on available data, the classification criteria are not met.
<b>Other information:</b>	None known.

## Numerical measures of toxicity (such as acute toxicity estimates):

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated light paraffinic	Oral LD50 Rat > 5000 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat 3900 MG/M3
Petroleum distillates, solvent-refined heavy paraffinic	Oral LD50 Rat > 5000 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat > 5530 MG/M3
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	Oral LD50 Rat 2154 mg/kg	Dermal LD50 Rabbit > 3160 mg/kg	

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Residual oils (petroleum), solvent dewaxed	Oral LD50 Rat > 5000 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	
Petroleum distillates, hydrotreated heavy paraffinic	Oral LD50 Rat > 15000 mg/kg	Dermal LD50 Rabbit > 5000 mg/kg	

**Is the hazardous chemical listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:**

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
There are no components that are known or reported to cause cancer.			

## 12. Ecological information

**Ecotoxicity (aquatic and terrestrial, where available):**

Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.

**Ecological Toxicity Data:**

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Petroleum distillates, hydrotreated light paraffinic	64742-55-8	EC50 (48h) Daphnia magna > 1000 mg/L	No data available	LC50 (96h) Rainbow Trout > 5000 mg/L
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	EC50 (48h) Daphnia magna > 1000 mg/L	No data available	LC50 (96h) > 5000 mg/L
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	EC50 (48h) Daphnia magna 1 - 1.5 mg/L	No data available	LC50 (96h) Pimephales promelas (Fathead Minnow) 1 - 5 mg/L
Residual oils (petroleum), solvent dewaxed	64742-62-7	EC50 (48h) Daphnia magna > 1000 mg/L	No data available	LC50 (96h) Rainbow Trout > 5000 mg/L
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	EC50 (48h) Daphnia magna > 1000 mg/L	No data available	LC50 (96h) Rainbow Trout > 5000 mg/L

**Persistence and degradability:**

Biodegrades slowly.

**Bioaccumulative potential:**

Bioconcentration may occur.

**Mobility in soil:**

This material is expected to have essentially no mobility in soil. It absorbs

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strongly to most soil types.

**Other adverse effects (such as hazardous to the ozone layer):**

None known.

## 13. Disposal considerations

**Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:**

Dispose of contents and container in accordance with local/regional/national/international regulations.

**Contaminated packaging:**

Recycle containers whenever possible.

## 14. Transport information

**Carriage of dangerous goods by road (DOT), rail or inland waterways:**

**DOT Basic Description:** Not regulated for road transport

**International carriage of dangerous goods by sea (IMDG/IMO):**

**UN number:** Not regulated by IMDG

**UN Proper shipping name:** Not applicable

**Transport hazard class(es):** Not applicable

**Packing group, if applicable:** Not applicable

**International carriage of dangerous goods by air (IATA):**

**UN number:** Not regulated by IATA

**UN Proper shipping name:** Not applicable

**Transport hazard class(es):** Not applicable

**Packing group, if applicable:** Not applicable

**Environmental hazards (e.g., Marine pollutant (Yes/No)):**

None.

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):**

No data available

**Special precautions which a user needs**

No data available



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to be aware of or needs to comply with  
in connection with transport or  
conveyance either within or outside  
their premises:

## 15. Regulatory information

**Safety, health and environmental regulations specific for the product in question:**

**TSCA Status:**

All components of this material are on the Active US TSCA Inventory or are exempt.

**Regulated Components:**

Chemical Name	CAS #	CERCLA	Sara EHS	Sara 313	U.S. HAP
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	N	N	N	N
Residual oils (petroleum), solvent dewaxed	64742-62-7	N	N	N	N
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	N	N	Y	N
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	N	N	N	N
Petroleum distillates, hydrotreated light paraffinic	64742-55-8	N	N	N	N

Chemical Name	CAS #	California Prop 65 - Cancer	California Prop 65 - Dev. Toxicity	California Prop 65 - Reprod fem	California Prop 65 - Reprod male
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	N	N	N	N
Residual oils (petroleum), solvent dewaxed	64742-62-7	N	N	N	N
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	N	N	N	N

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Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	N	N	N	N
Petroleum distillates, hydrotreated light paraffinic	64742-55-8	N	N	N	N

Chemical Name	CAS #	Massachusetts RTK List	New Jersey RTK List	Pennsylvania RTK List	Rhode Island RTK List	Minnesota Hazardous Substance List
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	N	N	N	N	N
Residual oils (petroleum), solvent dewaxed	64742-62-7	N	N	N	N	N
Phosphorodithioc acid, O,O-di-C1-14-alkyl esters zinc salts	68649-42-3	Y	N	N	N	N
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	N	N	N	N	N
Petroleum distillates, hydrotreated light paraffinic	64742-55-8	Y	N	N	N	N

## 16. Other information, including date of preparation or last revision.

**SDS Prepared by:** DB\_HAZOX  
**Revision Date:** 06-02-2020  
**Revision Number:** 18  
**Reason for revision:** Activated by Document Formulation Generation  
**References:** No data available  
**Other Info:** No data available

**Disclaimer:** This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we

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believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.