



# SAFETY DATA SHEET

## 1. Identification

### Duragard® EL™ SAE 5W-30 SYNTHETIC BLEND MOTOR OIL

Product Use: SYNTHETIC BLEND ENGINE OIL

Product Number(s): DUREL5/30SB

Synonyms: Duragard® EL™ 5W30, Duragard® EL™ 5W-30 Synthetic Blend

#### Company Identification

Advantage Dist. & Lubricants, LLC

3434 Marion RD SE

Rochester, MN 55904

United States of America

www.advantagelubes.com

#### Transportation Emergency Response

CHEMTREC: (800) 424-9300 US, Canada, or U.S. Virgin Islands or (703) 527-3887 all other areas.

#### Health Emergency

Poison Control Center: Located in the USA. 1-800-222-1222

#### Product Information

email: info@advantagelubes.com

Product Information: (800) 420-1414, (507) 289-5555 local

MSDS Requests: (800) 420-1414, (507) 289-5555 local

## 2. Hazard(s) identification

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

**GHS Classification:** Not classified as hazardous under OSHA

**Hazards not otherwise classified:** Avoid prolonged or repeated contact with used motor oil. Used motor oil has been shown to cause skin cancer in laboratory animals.

## 3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	No data available	72623-87-1	7 - 13

**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**



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### 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>	Use eye wash to remove a chemical from the eye. Flush the affected eye for at least fifteen minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical attention if irritation persists.
<b>Skin Contact:</b>	Wash with soap and water. Get medical attention if irritation develops or persists. Seek medical advice if symptoms persist.
<b>Ingestion:</b>	Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.
<b>Most important symptoms/effects, acute and delayed:</b>	None Known
<b>Indication of immediate medical attention and special treatment needed, if necessary:</b>	Aspiration during swallowing or vomiting may severely damage the lungs. If evacuation of stomach contents is necessary, use method least likely to cause aspiration.

### 5. Fire-fighting measures

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

<b>Suitable extinguishing media:</b>	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.
<b>Unsuitable extinguishing media:</b>	No data available
<b>Specific hazards arising from the chemical:</b>	No data available
<b>Hazardous combustion products:</b>	Carbon monoxide, Smoke
<b>Special protective equipment and precautions for fire-fighters:</b>	No data available

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	No health affects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.
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**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. No data available

**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
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	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. None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

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



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	NIOSH/MSHA approved respiratory protection.
<b>Eye protection:</b>	No special requirements under normal industrial use.
<b>Skin protection:</b>	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.
<b>Gloves:</b>	Neoprene, Nitrile, Polyvinyl chloride, Impervious rubber
<b>General hygiene conditions:</b>	No data available

### 9. Physical and chemical properties

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

<b>Physical state:</b>	Liquid
<b>Color:</b>	Brown
<b>Odor:</b>	Mild
<b>Odor Threshold:</b>	Not determined
<b>pH:</b>	Not determined
<b>Melting point/freezing point:</b>	
<b>Melting Point:</b>	No data available
<b>Freezing point:</b>	No data available
<b>Initial boiling point and boiling range (°C):</b>	Not determined
<b>Flash Point (°C):</b>	204
<b>Flash Point Method:</b>	COC
<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>	= 10
<b>Lower flammability or explosive limits:</b>	= 1
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative density:</b>	0.86



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<b>Solubility(ies):</b>	Negligible; 0-1%
<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition Temperature:</b>	Not determined
<b>Viscosity:</b>	64.86
<b>Volatile organic compound (VOC) content and percentage of volatiles:</b>	0.000000

### 10. Stability and reactivity

<b>Reactivity:</b>	No data available
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No data available
<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>	Carbon monoxide, Smoke, Carbon monoxide, sulfur oxides, aldehydes, and other petroleum decomposition products in the case of incomplete combustion. Oxides of nitrogen, phosphorus, calcium, copper, magnesium, sodium, and hydrogen sulfide may also be present.

### 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>	No data available
<b>Symptoms related to the physical, chemical and toxicological characteristics:</b>	None Known

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

<b>Ingestion Toxicity:</b>	Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.
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<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>	Likely to be practically non-toxic based on animal data.
<b>Inhalation Toxicity:</b>	Harmful! Can cause systemic damage (see "Target Organs"). Likely to be practically non-toxic based on animal data.
<b>Eye Contact:</b>	This material is likely to be non-irritating to eyes based on animal data.
<b>Sensitization:</b>	No data available
<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>STOT-single exposure:</b>	Non-hazardous under Specific Target Organ Systemic Toxicity Single Exposure category.
<b>STOT-repeated exposure:</b>	Non-hazardous under Specific Target Organ Systemic Toxicity Repeated Exposure category.
<b>Aspiration hazard:</b>	Non-hazardous under Aspiration category.
<b>Other information:</b>	No data available

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	OLD50 Rat > 5000 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat 2.18 mg/L

Is the hazardous chemical is 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),** No data available



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where available):

### Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
No data available				

<b>Persistence and degradability:</b>	Biodegrades slowly.
<b>Bioaccumulative potential:</b>	Bioconcentration may occur.
<b>Mobility in soil:</b>	This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.
<b>Other adverse effects (such as hazardous to the ozone layer):</b>	No data available

### 13. Disposal considerations

<b>Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:</b>	Spent or discarded material is non-hazardous according to environmental regulations.
<b>Contaminated packaging:</b>	Recycle containers whenever possible.

### 14. Transport information

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

No data available

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

No data available

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

No data available

**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 to be aware of or needs to comply with** No data available



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in connection with transport or conveyance either within or outside their premises:

<b>15. Regulatory information</b>
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Safety, health and environmental regulations specific for the product in question:

**TSCA Status:** All components of this material are on the 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
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	N	N	N	N
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	N	N	N	N
zinc alkyl dithiophosphate	68649-42-3	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
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	N	N	N	N
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	N	N	N	N
zinc alkyl dithiophosphate	68649-42-3	N	N	N	N





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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
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	N	N	N	N	N
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	N	N	N	N	N
zinc alkyl dithiophosphate	68649-42-3	N	N	N	N	N

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

**SDS Prepared by:** TPRUETT  
**Revision Date:** 11-17-2016  
**Revision Number:** 11  
**Reason for revision:** NEW VERSION  
**References:** No data available  
**Other Info:** No data available

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