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## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Dilmar Starguard Synthetic Blend Motor Oil – All Grades

**Part Number:** 52055; 520-B

53055; 530-B; doc530-5

1030-B; 1030-55; DOC1030-5

**Distributor:** Dilmar Oil Co., Inc. 1951 W. Darlington St. Florence, SC 29501

800-922-5823

**Emergency Phone Number:** During normal business hours – 800-922-5823

**Recommend Uses:** Engine oil formulated for turbo-charged and naturally spirited gasoline, propane, natural gas engines in passenger car and light duty truck service.

## SECTION 2. HAZARD(S) IDENTIFICATIONS

### Emergency Overview

Appearance	Liquid
Color	Amber
Odor	Mild

### GHS Classification:

Not a hazardous substance or mixture.

### GHS Label Elements:

Not a hazardous substance or mixture.

### Potential Health Effects

Primary Routes of Entry: Eye contact  
Ingestion  
Inhalation  
Skin contact

Aggravated Medical Condition: None Known

### Other hazards which do not result in classification

No Data Available.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture: Mixture

### Hazardous component(s)

Chemical Name	CAS-No.	Concentration (%)
Highly refined mineral oil	Mixture	80 – 90 %weight
Petroleum Additives	Mixture	10 – 20 %weight

## SECTION 4. FIRST-AID MEASURES

If inhaled: Move to fresh air.  
Artificial respiration and/or oxygen may be necessary.  
Seek medical advice.

In case of skin contact: In case of contact, immediately flush eyes or 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.  
Seek medical advice.

In case of eye contact: Remove contact lenses.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Obtain medical attention.

If swallowed: Rinse mouth with water.  
DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
Never give anything by mouth to an unconscious person.  
Seek medical advice.

Most important symptoms and effects, both acute and delayed: First aider needs to protect himself.

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames. Product will float and can be reignited on surface of water.

Unsuitable extinguishing media: Do not use a direct stream of water.

Specific hazards during firefighting: Cool closed containers exposed to fire with water spray.

Hazardous combustion products: No information available.

Further information: Prevent fire extinguishing water from contaminating surface water or the ground water system. Recommend wearing self-contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, Protective equipment and Emergency procedures: Use personal protective equipment.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.  
Material can create slippery conditions.

Environmental precautions: If the product contaminates rivers and lakes or drains inform Respective authorities.

Methods and materials for containment and cleaning up: Prevent further leakage or spillage if safe to do so.  
Remove all sources of ignition.  
Soak up with inert absorbent material.  
Non-sparking tools should be used.  
Ensure adequate ventilation.  
Contact the proper local authorities.

## SECTION 7. HANDLING AND STORAGE

Advice on safe handling: For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Avoid contact with skin, eyes and clothing.  
Do not ingest.  
Keep away from heat and sources of ignition.  
Keep container closed when not in use.



Conditions for safe storage:	Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. To maintain product quality, do not use in heat or direct sunlight.
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## SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures:** No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protective equipment

Respiratory protection:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. 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.
Filter type:	Organic vapor filter
Hand protection material:	Neoprene, Nitrile, Polyvinyl Alcohol (PVA), Viton(R).
Remarks:	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.
Eye protection:	Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Protective measures:	Wash hands and face before breaks and immediately after handling the product. Wash contaminated clothing before re-use. Ensure that eyewash station and safety shower are proximal to the work-station location.
Hygiene measures:	Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash face, hands and any exposed skin thoroughly after handling.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Amber
Odor:	Mild
Odor Threshold:	No data available
pH:	No data available
Pour point:	<-38 °C, -36.4 °F
Melting point/freezing point:	No data available
Boiling point/boiling range:	289 °C, 552 °F (Initial)
Flash Point:	205 °C, 401 °F
Fire Point:	No data available
Auto-Ignition Temperature:	No data available



Decomposition Temperature:	No data available
Evaporation Rate:	No data available
Flammability:	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor pressure:	No data available
Relative vapor density:	>1 (air=1)
Density:	No data available
Solubility (ies):	
Water solubility:	Insoluble
Partition coefficient: n- Octanol/water	No data available.
Viscosity	
Viscosity, Kinematic:	(100 °C) 9.3 cSt – 12.5 cSt (100 °C) 9.3 cSt – 12.0 cSt* *5W30

## SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions:	Hazardous polymerization does not occur. Stable under normal conditions.
Conditions to avoid:	No data available
Incompatible materials:	Reactive with oxidizing agents, acids, alkalis and reducing agents.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product:

Acute oral toxicity	Remarks: No data available
Acute inhalation toxicity	Remarks: No data available
Acute dermal toxicity	Remarks: No data available

### Skin corrosion/irritation

#### Product:

Remarks: No data Available

### Serious eye damage/eye irritation

#### Product:

Remarks: No data available

### Respiratory or skin sensitization

No data available

### Germ cell mutagenicity

No data available

**Carcinogenicity****Product**

Remarks: Not expected to be carcinogenic.

Remarks: Product contains mineral oils of types shown to be non-carcinogenic in animal skin painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC).

<b>IARC</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>ACGIH</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>NTP</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

No data available

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

Toxicity to fish:	Remarks: No data available
Toxicity to daphnia and other: aquatic invertebrates	Remarks: No data available
Toxicity to algae:	Remarks: No data available
Toxicity to bacteria:	Remarks: No data available

**Persistence and degradability****Product:**

Biodegradability:	Remarks: No data available
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**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues:	The product should not be allowed to enter drains, water courses or the soil. Offer surplus and non-recyclable solutions to a licensed disposal company. Waste must be classified and labelled prior to recycling or disposal. Send to a licensed waste management company. Dispose of as hazardous waste in compliance with local and national regulations.
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Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

Contaminated packaging: Do not re-use empty containers.

## SECTION 14. TRANSPORTATION INFORMATION

### International Regulation

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

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

Not applicable for product as supplied.

**49 CFR**

Not regulated as a dangerous good

**TDG**

Not regulated as a dangerous good

**Special precautions for user**

Not applicable

## SECTION 15. REGULATORY INFORMATION

**OSHA Hazards:** No data available

**Clean Water Act (CWA) 307:** zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis (phosphorodithioate); Zinc alkyl dithiophosphate

**Clean Water Act (CWA) 311:** vinyl acetate

This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800)424-8802.

**Composition/information on ingredients**

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Vinyl acetate	<0.01	yes	1000	140	5000	644.8

SARA 311/312

**Classification** Not applicable.

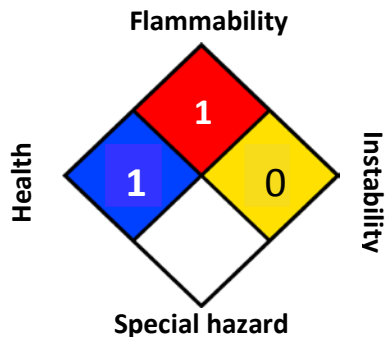
**The components of this product are reported in the following inventories:**

**DSL** No data available

**TSCA** All components are listed or exempted.

**IECSC** Not determined

**EINECS** At least one component is not listed in EINECS but all such components are listed in ELINCS.

**SECTION 16. OTHER INFORMATION****Further information****NFPA:****HMIS III:**

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

0 = not significant, 1 = Slight,  
 2 = Moderate, 3 = High  
 4 = Extreme, \* = Chronic

**Guide to Abbreviations:**

ACGIH = American Conference of Governmental Industrial Hygienists; CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)

Prepared by: Dilmar Oil Co., Inc.

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