



# Safety Data Sheet

Product identifier used on the label: Engine Guard 5W-20 HM SB APISN

Stock Number: MIPCM082

Revision Date: 10-24-2017

Replaces:

## 1. Identification

**Product identifier used on the label:** Engine Guard 5W-20 HM SB APISN EG520HM  
**Stock Number:** MIPCM082

**Other means of identification:**  
**Synonyms:** No data available

**Recommended use of the chemical and restrictions on use:**  
**Recommended use:** Motor Oil  
**Restrictions on use:** Uses other than those described above

**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:** Mighty Distributing System of America  
650 Engineering Drive  
Norcross, Georgia 30092

**Phone number:** 1-770-448-3900

**E-mail address:** Info@mightyautoparts.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:** Not classified as hazardous under OSHA

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

**% unknown toxicity (Inhalation Gas):** 62.990702 % of the mixture consists of ingredient(s) of unknown toxicity.

**% unknown toxicity (Inhalation Vapor):** 62.990702 % of the mixture consists of ingredient(s) of unknown toxicity.

**% unknown toxicity (Inhalation Dust):** 62.990702 % of the mixture consists of ingredient(s) of unknown toxicity.

## 3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Lubricating oils, petroleum, hydrotreated spent	No data available	64742-58-1	30 - 60
zinc alkyl dithiophosphate	No data available	68649-42-3	1 - 5

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

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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. 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.

**Most important symptoms/effects, acute and delayed:** None Known

**Indication of immediate medical attention and special treatment needed, if necessary:** 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:**

**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 chemical:** No data available

**Hazardous combustion products:** Carbon monoxide, Smoke, Hydrogen sulfide, Nitrogen containing gases

**Special protective equipment and precautions for fire-fighters:** No data available

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** No adverse health affects expected from the clean up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this SDS.

**Methods and materials for containment** Prevent the spread of any spill to minimize harm to human health and

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**and cleaning up:** 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:** No special handling instructions due to toxicity. 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, hydrotreated spent	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 NIOSH/MSHA approved respiratory protection.

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<b>Eye protection:</b>	No special requirements under normal industrial use.
<b>Skin protection:</b>	Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
<b>Gloves:</b>	Neoprene, Nitrile
<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>	No data available
<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>	280
<b>Flash Point (°C):</b>	206
<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
<b>Solubility(ies):</b>	Negligible; 0-1%
<b>Partition coefficient: n-octanol/water:</b>	No data available

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Auto-ignition temperature:	No data available
Decomposition Temperature:	Not determined
Viscosity:	52.43
Volatile organic compound (VOC) content and percentage of volatiles:	0.000000

## 10. Stability and reactivity

Reactivity:

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** None expected under standard conditions of storage.

**Conditions to avoid (e.g., static discharge, shock, or vibration):** 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).

**Incompatible materials:** Strong oxidizing agents

**Hazardous decomposition products:** Carbon monoxide, Smoke, Hydrogen sulfide, Nitrogen containing gases

## 11. Toxicological information

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

**Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):** No data available

**Symptoms related to the physical, chemical and toxicological characteristics:** None Known

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

**Ingestion Toxicity:** 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.

**Skin Contact:** Estimated to be non-irritating to skin (Primary Irritation Index is <0.5 [rabbits]). No hazard in normal industrial use.

**Absorption:** Likely to be practically non-toxic based on animal data.

**Inhalation Toxicity:** No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.

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<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>	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>	No data available

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Lubricating oils, petroleum, hydrotreated spent	OLD50 Rat > 2000 mg/kg	Dermal LD50 Rabbit > 4480 mg/kg Dermal LD50 Rat > 2000 mg/kg	

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, where available):** No data available

### Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
zinc alkyl dithiophosphate	68649-42-3	48 HR EC50 DAPHNIA MAGNA 1 - 1.5 mg/L	No data available	96 HR LC50 PIMEPHALES PROMELAS 10 - 35 MG/L [SEMI-

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				STATIC] 96 HR LC50 PIMEPHALES PROMELAS 1 - 5 MG/L [STATIC]
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	= 22500 mg/L	No data available	Aquatic LC50 (96h) 79.6 mg/L

**Persistence and degradability:** Biodegrades at a moderate rate.

**Bioaccumulative potential:** Bioconcentration may occur.

**Mobility in soil:** This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

**Other adverse effects (such as hazardous to the ozone layer):** No data available

## 13. Disposal considerations

**Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:** Spent or discarded material is non-hazardous according to environmental regulations.

**Contaminated packaging:** Recycle containers whenever possible.

## 14. Transport information

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

**DOT Basic Description:** No data available

**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):**

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**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 to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises:** No data available

## 15. Regulatory information

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
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	N	N	N	N
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	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
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	N	N	N	N
Petroleum distillates,	64742-54-7	N	N	N	N



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hydrotreated heavy paraffinic					
zinc alkyl dithiophosphate	68649-42-3	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
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	N	N	N	N	N
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	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:** 10-24-2017  
**Revision Number:** 12  
**Reason for revision:** NEW VERSION  
**References:** No data available  
**Other Info:** No data available

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