



MAJOR BRANDS LUBRICANTS

SAE 5W20

Synthetic Blend passenger car motor oil with API SN GF-5 credentials

SAFETY DATA SHEET

SECTION 1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product/Chemical Name: Performance Motor Oil (API SN GF-5)
Product Description: Passenger car motor oil
Use of substance/mixture: Automotive Engine lubricant
Chemical Family: Petroleum
CAS Registry: 200X5B1030
Details of the supplier: Major Brands Oil Company
462 West 23rd Street, Holland, MI 49423
616-392-5936
www.majorbrandsoil.com

Date Prepared: 10/17/2014

EMERGENCY PHONE NUMBERS
USA Chemtrec 800-424-9300 24 hrs
International Chemtrec 703-527-3887

SECTION 2

HAZARDOUS IDENTIFICATION

GHS-US Classification
Classification of Mixture:

This product is not expected to cause a severe emergency hazard. This product has a medium amber tint, viscous liquid. It has a slight petroleum odor. The product floats on water. The product is slightly combustible (Flammability Class IIIB) but will burn. Heated product will produce colorless vapors. Heated vapors in the presence of an ignition source can be explosive if confined.

GHS-US Labelling
Pictograms:



GHS07



GHS08

Signal Word:
Hazard Statements:
Precautionary statements:

Caution
H302 - Harmful if swallowed
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P264 - Wash affected areas thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P280 - Wear personal protective equipment as required
P301, P310 - If swallowed: Immediately call doctor/physician or poison center
P301, P330, P331 - If swallowed: rinse mouth. DO NOT induce vomiting
P308, P313 - If exposed or concerned: Get medical advice/attention
P405 - store locked up
P501 - Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations

No additional hazards

No data available for unknown acute toxicity



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COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS No.</u>	<u>Wt. Range %</u>	<u>ACGIH TLV</u>	<u>PEL</u>
Petroleum C20-C50, hydrotreated neutral oil-based (Syn) Solvent– Dewaxed Heavy Paraffinic Distillates (Petroleum)	72623-87-1	30-50%	5 mg/m3	5 mg/m3
Viscosity modifier	64742-65-0	20-50%	5 mg/m3	5 mg/m3
Additive Blend	9003-29-6	5-10%	0	
Pour point depressant	Mixture AB	5-10%		
	Mixture PPD	1-5%	0	

SECTION 4

FIRST AID MEASURES

Emergency and First Aid Procedures:

Eye contact:

Immediately flush with large quantities of water for at least 15 minutes. If material is hot, treat for thermal burns and take victim to hospital. If irritation persists, call a physician.

Skin contact:

In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as an emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury. Prolonged or repeated skin contact may cause skin irritation.

Ingestion:

Product is practically non-toxic. Do not induce vomiting. Obtain emergency medical attention.

Inhalation:

Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitations: administer oxygen, if available. If overexposed to oil mist, remove from exposure until excessive oil mist condition subsides.

SECTION 5

FIRE-FIGHTING MEASURES

Unusual Fire Fighting

Procedures:

None known

Flash Point:

400 °F

Flash Point Method:

COC ASTM D92

Burning Rate:

Not applicable

Autoignition Temperature:

651°F

Flammable limits in air

(% by volume):

LEL: Not determined

UEL: Not determined

Flammability Classification:

IIIB

Extinguishing Media:

Foam, water spray (fog), dry chemical, carbon dioxide, and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product.



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Special Fire Fighting Procedures:

The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's "Fire Protection Guide on Hazardous Materials", Tenth Edition (1991):

Use water spray, dry chemical, foam or carbon dioxide to extinguish the fire. Use water to keep fire-exposed containers cool. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

Decomposition products under fire conditions:

Fumes, smoke, carbon monoxide, aldehydes and other decomposition products, may be generated as products of combustion.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Clean Water Act/Oil Pollution Act:

This product may be classified as oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharges or spills that enter a water body must be immediately reported to the National Response Center.

Accidental Release or Spill:

Notify appropriate authorities of spill. This material will float on water and will be transported by storm runoff. Spills to the ground should be immobilized and removed immediately. Spills to watercourses such as storm drains, sewers, ditches, streams, ponds, etc. must be contained with dikes, dams, floating booms, pads, etc. as appropriate. Recover free product. Absorb with appropriate inert materials such as sand, clay, earth, or other suitable absorbent to spill area. Remove all sources of ignition. Minimize skin contact. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Assure conformity with applicable governmental regulations.

SECTION 7

HANDLING AND STORAGE

Handling and Storage Precautions:

Keep away from flames, sparks, oxidizing materials or hot surfaces. Never use a torch to cut or weld on or near container. Empty oil containers can contain explosive vapors. NFPA Class IIIIB storage. Wash thoroughly after handling. This product is not classified as hazardous under DOT regulations. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.16-Flammable and combustible liquids.

Work/Hygienic Practices:

Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves.

"EMPTY" CONTAINER WARNING

"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.



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Do not attempt to refill or clean containers since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

For work on tanks refer to Occupational Safety and Health Administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION:

Use safety glasses or splash goggles when eye contact may occur. Have suitable eye wash water available.

SKIN PROTECTION:

Avoid prolonged and/or repeated skin contact. If prolonged contact cannot be avoided, wear protective impervious clothing (gloves, boots, aprons, etc.). If handling hot material, use insulated protective clothing (gloves, boots, aprons, etc.). Acceptable materials for gloves are polyvinyl chloride; neoprene; nitrile; polyvinyl alcohol; viton. Launder soiled clothes. Properly dispose of contaminated leather articles including shoes, which cannot be decontaminated.



RESPIRATORY PROTECTION:

Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust or mist filter. All respirators must be NIOSH/MSH certified. **DO NOT USE COMPRESSED OXYGEN IN HYDROCARBON ATMOSPHERES.**

VENTILATION:

If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specific exposure or flammable limits. No smoking or use of flame or other ignition sources.

OTHER:

Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking. Affix warning labels on containers in accordance with 29 CFR 1910.1200 (Hazard Communication Standard).

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor:

Medium Amber liquid with a slight petroleum odor

Viscosity @ 100C:

8.5 cSt

Gravity @ 60F:

32.6

Basic Physical Properties:

Boiling Point:

IBP N/A°F

Vapor Pressure:

N/A mm Hg @ 20°

VAPOR DENSITY (AIR=1):

N/A

MOLECULAR WEIGHT:

580

PACKING DENSITY:

N/A

SOLUBILITY (H2O):

N/A

PERCENT VOLATILES:

N/A

VOLATILE ORGANIC COMPOUNDS (VOC)

CONTENT:

N/A EVAPORATION RATE: N/A

pH:

N/A



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SECTION 10

STABILITY AND REACTIVITY

Stability:	Stable
Polymerization:	Does not occur
Chemical Incompatibilities:	May react with strong oxidizers such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc., as this presents a serious explosion hazard.
Conditions to Avoid:	Sources of ignition
Hazardous decomposition products:	Combustion may produce carbon monoxide and other asphyxiants.

SECTION 11

TOXICOLOGICAL INFORMATION

Acute Studies:	Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.
Eye Effects:	Product contacting the eyes may cause eye irritation.
Skin Effects:	Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.
Acute Oral Effects:	Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.
Acute Inhalation Effects:	Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

In accordance with the current OSHA Hazard Communication Standard criteria, this product does not require a cancer hazard warning. This is because the product is formulated from base stocks which are severely hydrotreated, severely solvent extracted, and/or processed by mild hydrotreatment and extraction. Alternatively, it may consist of components not otherwise affected by IARC criteria, such as atmospheric distillates or synthetically derived materials, and as such is not characterized by current IARC classification criteria.

SECTION 12

ECOLOGICAL INFORMATION

If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming.

This product is rapidly biodegradable. Biodegradation is possible within 90 to 120 days in aerobic environments at temperatures above 70F.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Method:	All disposals must comply with federal, state, and local regulations. Product as supplied does not meet the characteristics of a hazardous waste as defined in 40 CFR 261.21-24. If mixed with other products, waste mixture must be characterized. DO NOT dispose of this product in drains or storm sewers. DO NOT dispose of this product in a landfill without prior solidification. Department of Transportation (DOT) Regulations may apply for transporting this material when spilled. Materials should be recycled if possible. Consider waste brokering.
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SECTION 14

TRANSPORT INFORMATION

DOT Shipping Name:	Not regulated by DOT
DOT Hazard Class:	Not applicable
DOT Identification Number:	Not applicable
DOT Packing Group:	Not applicable

SECTION 15

REGULATORY INFORMATION

SARA 302 Threshold Planning Quantity:	NOT APPLICABLE
SARA 304 Reportable Quantity:	NOT APPLICABLE
SARA 311 Categories: Delayed (Chronic) Health Effects:	Immediate (Acute) Health Effects --N
Fire Hazard:	Y
Sudden Release of Pressure Hazard:	N
Reactivity Hazard :	N
EPA/TSCA Inventory:	The components of this product are listed on the EPA/TSCA inventory of chemicals.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):
No chemicals in this product are subject to the reporting requirements of CERCLA.

SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION:

No chemicals in this product exceed the De Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

EUROPEAN (ECC) REGULATORY INFORMATION:

This product is listed on the European Inventory of Existing Commercial Substances.

CANADIAN REGULATORY INFORMATION:

This product is listed on the Canadian (DSL) Domestic Substances List. WHMIS Classification: NOT CONTROLLED

DOT: Not Regulated



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SECTION 16

OTHER INFORMATION

NFPA health hazard:

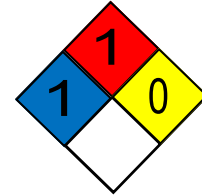
1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard:

1 - Must be preheated before ignition can occur.

NFPA reactivity:

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health:

1 - Slight Hazard

Flammability:

1 - Slight Hazard

Physical:

0 - Minimal Hazard

Personal Protection:

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