

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTITY

Product/Material Name: Syntec SAE 75W-90 Gear Oil
Chemical Name: Mixture
Chemical Family/Classification: Synthetic hydrocarbon
Molecular Weight: NA
Material Use: Automotive Synthetic Gear Oil [API GL-5 Specification]

Chemical Formula: NA

HMIS HAZARD RATING:
[0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe]
 Health: 1
 Flammability: 1
 Reactivity: 1

WARNING STATEMENTS (If Applicable):
 No Hazard Warning Applicable.

MANUFACTURER'S/ SUPPLIER NAME & ADDRESS:

In the US:
 BP Lubricants USA Inc.
 1500 Valley Road
 Wayne, NJ USA 07474
 Telephone: (973) 633-2200
 Telecopier: (973) 633-7475

In Canada:
 Castrol Canada Inc.
 3660 Lakeshore Blvd
 Toronto, Ontario M8W 1P2
 Telephone: (416) 252-5511
 Telecopier: (416) 252-1774

In Latin America:
 Castrol Latin America Lubricants
 3750 NW 87th Avenue Suite 600
 Miami, FL USA 33178
 Telephone: (305) 714-2640
 Telecopier: (786) 437-6380

IN THE EVENT OF AN EMERGENCY PLEASE CALL: BP Emergency Response Center 1-800-321-8642

Date Prepared/Updated: 12/10/2004

Preparer: Regulatory, Environmental, Safety Department
 Telephone: (973) 633-2200

SECTION II: PRODUCT/HAZARDOUS INGREDIENT INFORMATION

INGREDIENTS - CHEMICAL/COMMON NAME	EXPOSURE LIMITS - TLV	LD ₅₀	LC ₅₀	%
Polyalphaolefin [CASRN 68037-01-4]	TWA: 5 mg/m ³ (Suggested)	Oral, rat: > 5 g/kg.	ND	40-70
Hydrocarbon polymer [CASRN 9003-27-4]	ND	ND	ND	10-30
Severely refined petroleum basestocks. [May contain one or more of the following CASRN, 64742-54-7, 64742-52-5, 64741-89-5, 64741-97-5]	PEL/TWA: 5 mg/m ³ , mist (OSHA, ACGIH) STEL: 10 mg/m ³ , mist (ACGIH)	Oral, rat: > 5 g/kg.	Inhalation, 4 hr., rat: > 5000 mg/m ³	5-10
Polyolefin amide alkeneamine borate [CASRN, ND]	ND	ND	ND	1-5
Olefin sulfide [CASRN, ND]	ND	ND	ND	1-5
Phosphoric acid esters, alkylamine salts [CASRN, ND]	ND	ND	ND	1-5

NOTE:

Product contains no materials currently classified as carcinogenic per the Annual Report of the National Toxicology Program [NTP], OSHA Hazard Communication Standard or the International Agency for Research on Cancer [IARC, Groups 1, 2A or 2B].

SECTION III: FIRST AID MEASURES

Signs/Symptoms: Transient eye irritation, redness, tearing (expected).

Eye contact: Flush with clear water for at least 15 minutes or until any irritation subsides. If irritation persists, seek medical attention.

Skin contact: Remove contaminated clothing and wash before reuse. Wipe excess material from skin. Wash exposed area with soap and water.

Inhalation: Move to fresh air.

Ingestion: Give plenty of water or other mild drinkable fluids and call a physician immediately. Do not induce vomiting without express consent of medical personnel.

SECTION IV: HEALTH HAZARD DATA

Exposure Limits:

See Section II, Product/Ingredient Information.

PRIMARY ROUTES OF ENTRY:

- Eye Contact
- Skin Contact
- Skin Absorption
- Inhalation (Acute)
- Inhalation (Chronic)
- Ingestion

EFFECTS OF EXPOSURE

Acute - (Evaluation based on components and/or similar products)

Eyes: Not expected to cause prolonged or significant eye irritation.

Skin: Not expected to cause prolonged or significant skin irritation.

Respiratory system: Harmful concentrations of mists/vapors are unlikely through customary handling or use of this product.

Ingestion: Expected to be non-toxic to internal organs if ingested.

Chronic -

Prolonged or repeated skin contact may cause skin drying, cracking, irritation, defatting and dermatitis.

Medical Conditions Generally Aggravated by Exposure: Pre-existing skin disorders.

TOXICOLOGY DATA (Product)

Acute Data (Median Lethal Dose - species)

Oral LD₅₀ - rat: > 5000 mg/kg

Dermal LD₅₀ - rabbit: ND

Inhalation LC₅₀ - rat: ND

Irritancy Data

Eye irritation - rabbit: ND

Skin irritation - rabbit: ND

Sensitization - guinea pig: ND

Other: No data regarding presence of carcinogenicity, tetragenicity, mutagenicity, respiratory toxicity, sensitizing ability or synergistic substances.

SECTION V: EMPLOYEE PROTECTION**Ventilation:**

No special ventilation is usually necessary.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: None required under normal use.

Eye: Safety glasses should be used.

Gloves (specify): Wear oil impervious type, such as neoprene, nitrile, polyvinylchloride, to minimize skin contact.

Clothing: No special requirement; Normal work clothing. A coverall or apron and long sleeve shirt may be used to minimize skin contact

Footwear: No special requirement.

Other: NA

Work/Hygienic Practices: Avoid prolonged and repeated skin contact. Do not wear contaminated clothing; Launder before reuse or discard. Wash thoroughly with soap and water after handling.

Storage/Handling: Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants. Avoid breathing mist. Maintain adequate ventilation. Avoid prolonged or repeated contact with skin.

SECTION VI: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: ND

Specific Gravity (Water=1): 0.86

Vapor Pressure (mm.Hg. @ 25 C): ND

Vapor Density (Air=1): ND

Percent Volatiles: Unknown

Evaporation Rate (BuAc=1): ND

Solubility in Water: Insoluble

Freezing Point: ND

pH-Value: NA

Viscosity @ 40 C, cSt.: 115.0

Odor Threshold: NA

Coefficient of Water/Oil Distribution: ND

Melting Point: ND

Appearance, Odor & Physical State: Light colored liquid with mild odor.

SECTION VII: FIRE AND EXPLOSION DATA

FLAMMABILITY Yes [X] No [] NFPA Class IIIA material -Combustible Liquid

Flash Point (COC): 295 F (146 C) min.

Fire Point (COC): > 315 F (157 C) min.

Autoignition Temperature: ND

Flammability limits in Air, % Vol.: Upper - ND Lower - ND

Extinguishing Media:

CO₂, dry chemical, alcohol foam. Water can be used to cool and protect exposed material.

Special Firefighting Procedures/Unusual and Explosion Hazards:

Material must be preheated to burn. Do not enter confined areas without full protective equipment, including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

Material can float on water and re-ignite.

EXPLOSION DATA

Sensitivity to Mechanical Impact: NA

Sensitivity to Static Discharge: NA

SECTION VIII: REACTIVITY

Stability: Stable at ambient temperatures. Material may become unstable at elevated temperatures and pressures.

Hazardous Polymerization: Will not occur.

Conditions and Materials to Avoid (Incompatibilities):

Heat, open flame and oxidizing materials.

Hazardous Combustion or Decomposition Products:

Smoke, Carbon Monoxide, aldehydes and other products of incomplete combustion. Under combustion conditions oxides of sulfur will be formed.

SECTION IX: ENVIRONMENTAL PROTECTION

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300, 24 hrs. for U.S. transportation related spills, leaks, fire, exposure or accident.

CANUTEC EMERGENCY PHONE NUMBER: (613) 996-6666, 24 hrs. for Canadian transportation related spills, leaks, fire, exposure or accident.

Spill or Leak Procedures:

Product may burn but is not readily ignitable. Use best engineering practices when attempting cleanup of a large spill.

Large spills - Wear respirator and protective clothing as appropriate. Stop source of leak if possible. Prevent entry into water sources. Dike and contain spill. Scrape up excess grease and store in closed metal containers until disposal. Clean area with appropriate cleaner. Store and dispose of properly. Where feasible and appropriate, remove contaminated soil.

Small spills - Scrape up excess grease and store in closed metal containers until disposal. Clean area with appropriate cleaner.

Regulatory spill reporting requirements may apply; Contact governmental agency or legal counsel for advice.

Waste Disposal Method:

If discarded as supplied, material does not meet RCRA characteristic definition of ignitability, corrosivity or reactivity and is not listed in 40 CFR 261.33. The toxicity characteristic has not been evaluated. Under RCRA, the applicable hazardous waste classification must be evaluated prior to disposal of the material. Use of the product, processing or contamination may render the resulting material hazardous.

All recovered material should be packaged, labeled, transported and disposed of or reclaimed in accordance with governmental regulations regarding air pollution, water pollution or health.

CAUTION: Improper disposal or reuse of the empty container may be hazardous and illegal. Cutting or welding of empty containers may cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place. Refer to applicable governmental regulations.

SECTION X: REGULATORY INFORMATION

TRANSPORTATION

Special Shipping Information/DOT Proper Shipping Name: Not regulated.

CHEMICAL CONTROL REGULATIONS:

TSCA Status: All components of this material appear on the U.S. Toxic Substance Control Act Chemical Substances Inventory.

CEPA Status: All components of this product are in compliance with chemical notification requirements under the Canadian Environmental Protection Act.

Canadian Workplace Hazardous Material Identification System (WHMIS) Classification: Material is not a "controlled product".

EPCRA - Emergency Planning and Community Right to Know Act (SARA Title III):

Section 302/304 Extremely Hazardous Substance: NA

CERCLA Section 102(a) Hazardous Substance: NA

Section 311 Hazard Category

- Acute (immediate)
- Chronic (delayed)
- Fire
- Sudden Release of Pressure
- Reactive
- Not applicable

Section 313 Toxic Release Inventory Chemical/Category:

No chemical is present above de minimis quantities (1%).

U.S. STATE RIGHT TO KNOW LAWS

New Jersey Worker and Community Right to Know Act, N.J.A.C. 8:59-5 Labeling Information: Automotive Gear Oil

NOTICE:

The information presented herein is compiled from sources considered to be dependable, believed to be accurate to the best of BP Lubricants USA Inc knowledge, and offered in good faith for the purpose of hazard communication. Because product use is beyond our control, no warranty is given, expressed or implied. BP Lubricants USA Inc. cannot assume any liability for the use of information contained herein. To determine applicability or effect of any law or regulation with respect to the product, users should consult a legal advisor or appropriate governmental agency.
