
SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL SAFETY DATA SHEET**WISE Solutions, Inc.**

P. O Box 840, Freedom, CA 95019-0840 USA

Phone: (800) 491-9473 - Fax: (831) 728-1753

TRADE NAME:	Bio-Synthetic 80W90 Gear Oil GL-5
CAS NO:	Mixture.
SYNONYMS:	None.
GENERIC/CHEMICAL NAME:	Mixture.
PRODUCT TYPE:	Gear Oil.
PREPARATION/REVISION DATE:	6/9/09
TRANSPORTATION EMERGENCY PH NO:	(CHEMTREC) 1-800-424-9300. Outside the U.S. (703) 527-3887

NFPA CODE:	HEALTH: 0	FIRE: 1	REACTIVITY: 0
HMIS CODE:	HEALTH: 0	FIRE: 1	REACTIVITY: 0

SECTION 2 COMPOSITION / INFORMATION OF INGREDIENTS

- This material does not contain any chemical listed as a carcinogen or potential carcinogen by OSHA, IARC Monographs or National Toxicology Program.
- This material has no known hazards when used as directed.
- All components of this material are on the U.S. T.S.C.A. Inventory or are exempt.

SECTION 3 - PHYSICAL DATA

EVAPORATION RATE	
(n-Butyl Acetate=1)	Approx. 0
PERCENT VOLATILE:	0
BOILING POINT:	Not Determined
VAPOR PRESSURE:	<1
VAPOR DENSITY (Air = 1):	<1
SPECIFIC GRAVITY (H ₂ O = 1):	0.92 @ 15.6°C
SOLUBILITY IN WATER:	Insoluble
APPEARANCE AND ODOR:	Light Golden liquid, mild odor

SECTION 4 - HANDLING AND STORAGE

HANDLING PROCEDURES:	Keep containers closed when not in use. Wash thoroughly after handling.
STORAGE PROCEDURES:	Store in a cool and well ventilated place. Empty containers may retain product properties. Follow all MSDS / Label warnings after container is emptied. No special storage precautions required.
STORAGE TEMPERATURE:	Ambient
STORAGE PRESSURE:	Atmospheric

SECTION 5 - STABILITY AND REACTIVITY

STABILITY:	Material is normally stable at moderately elevated temperatures and pressures.
INCOMPATIBILITY:	Oxidizing agents.
POLYMERIZATION:	Will not occur.
THERMAL DECOMPOSITION:	Smoke, carbon monoxide, aldehydes and other products of incomplete combustion.

SECTION 6 - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:	Contains vegetable oil base stock. OSHA PEL of 5 mg per cubic meter. ACGIH STEL of 10 mg per cubic meter for mineral oil mists.
EFFECTS OF OVEREXPOSURE:	May cause eye and skin irritation. Low order of toxicity.

SECTION 7 - EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROCEDURES:	Use local exhaust ventilation to control mists or vapors. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.
GLOVES PROTECTION:	Use nitrile or neoprene gloves.
EYE PROTECTION:	Chemical goggles or face-shield. Flush thoroughly with water. If irritation occurs, get medical assistance
RESPIRATORY PROTECTION:	Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.
CLOTHING RECOMMENDATION:	Long sleeve shirt is recommended. Wear a chemically protective apron when contact with material may occur. Launder contaminated clothing before reuse.
INJECTION:	First aid is normally not required. Seek medical attention if discomfort occurs

SECTION 8 - EMERGENCY AND FIRST AID PROCEDURES:

ORAL:	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.
EYE:	Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
SKIN:	Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
INHALATION	Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If irritation persists, get medical attention.
ADDITIONAL:	Note to physician: Treat symptomatically.

SECTION 9-- - FIRE FIGHTING MEASURES

FLASH POINT :	260°C 500°F (COC)
UPPER FLAMMABLE LIMIT:	Not Determined.
LOWER FLAMMABLE LIMIT:	Not Determined.
EXTINGUISHING MEDIA:	CO ₂ , dry chemical, alcohol foam. Water can be used to cool and protect exposed material.
SPECIAL FIRE-FIGHTING PROCEDURES:	Recommend wearing self-contained breathing apparatus. Water may cause splattering. Material will float on water. Evacuate the area Prevent run off from fire control or dilution from entering streams, sewers, or drinking water supply.

SECTION 10 - SPILLS OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:	Prevent entry into sewers and waterways. Pick up free liquid for recycle/disposal. Absorb small amounts on inert material for disposal.
WASTE DISPOSAL METHOD:	This material is non-hazardous for disposal under RCRA. Disposal should be in compliance with federal, state and local laws.

SECTION	11	-	TOXICOLOGICAL	INFORMATION
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Carcinogenicity	IARC Not Listed. OSHA Not Regulated. NTP Not Listed. No Component of this product at levels greater than 0.1 % is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC) or the European Commission (EC).
Reproductive toxicity	Minimally toxic based on test data for structurally similar materials This product contains no chemicals known to cause cancer, birth defects or other reproductive harm. This material does not contain any chemical listed as a carcinogen or potential carcinogen by OSHA, IARC Monographs or National Toxicology Program.
Health warnings	INHALATION. Oil mist can irritate airways and lungs. SKIN CONTACT. Prolonged or repeated contact may lead to irritated skin. EYE CONTACT. Irritating to eyes. INGESTION. Could cause Stomach ache or vomiting.

SECTION 12 –ECOLOGICAL INFORMATION

NE=Not Established

Biodegradation This product shows biodegradation based on OECD 301-type test data for similar products. At least 59% of the components in this product show Ultimate Biodegradation based on ASTM D-5864 type test data.

Ecotoxicity: Material -- Not expected to be harmful to aquatic organisms

Bioaccumulation Not Established

Soil Mobility Not Determined.

WGK Not Established

SECTION 13 –DISPOSAL INFORMATION

Recycle if possible. Do not reuse containers. Dispose of in accordance with all Federal, State, and Local regulations regarding pollution and waste disposal. Product as supplied contains no listed hazardous waste. It also does not meet the definition for an unspecified corrosive or ignitable waste.

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

SECTION 14 –TRANSPORTATION INFORMATION

LAND (DOT) : Not Regulated for Land Transport

LAND (TDG) : Not Regulated for Land Transport

SEA (IMDG) : Not Regulated for Sea Transport according to IMDG-Code

AIR (IATA) : Not Regulated for Air Transport

SECTION 15 –REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

NATIONAL CHEMICAL INVENTORY LISTING: TSCA

EPCRA: This material contains no extremely hazardous substances.

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

Global Chemical Inventories-

USA All components of this material are on the US TSCA Inventory or are exempt.
EU All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.
Japan All components are in compliance with the Chemical Substances Control Law of Japan.
Australia All components are in compliance with chemical notification requirements in Australia.
Canada All components are in compliance with the Canadian Environmental Protection Act and are listed or exempt from listing on the Canadian DSL
Switzerland All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
China All components of this product are listed on the Inventory of Existing Chemical Substances in China
Korea All components are in compliance in Korea.
Philippines All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical inventory.
CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.
Proposition 65: This product contains no chemicals know to the state of California to cause cancer, birth defects of other reproductive harm.
SARA313: This product contains no toxic chemicals subject to the requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372)
STATE RIGHT-TO-KNOW: No listing for the following : CA Prop 65,FL, MA, MI, MN, NJ, PA, RI.
CERCLA RQ's: NONE
FEDERAL REGULATIONS:
SEC. 302 / 304 REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE: **NONE**
SEC. 302 THRESHOLD PLANNING QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE: **NONE**
SEC. 311 / 312 HAZARD CATEGORIES: **NONE**
SEC. 313 AND 40 CFR 372 TOXIC CHEMICAL REPORTABLE INGREDIENTS: **NONE**

HMIS RATING: HEALTH=0 FLAMMABILITY=1 REACTIVITY=0 PP=B
WHMIS RATING: (Canada) NOT a WHMIS controlled material

SECTION 16 –OTHER INFORMATION

NA=Not Available or Not Applicable
NE=Not Established

MSDS Issue Date: 6/9/09

Read and follow all label directions and precautions before using the product. KEEP OUT OF THE REACH OF CHILDREN. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

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