

Section 1: Product and Company Identification

COMPANY: RelaDyne LLC

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Cincinnati, Ohio 45233

Telephone: (513) 489-6000
Information: (800) 786-2803

Product Code

14-07-80140

Product Label Name

RelaTECH Synthetic Gear Lube API GL-5, SAE 80W140

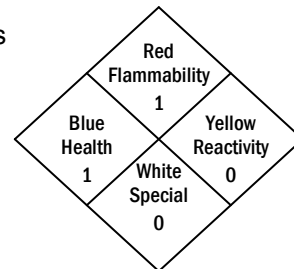
Product Use

LUBRICATING OIL

Section 2: Composition/Information on Ingredients

This product is not formulated to contain ingredients that have exposure limits exceeding those established by US agencies

NFPA & HMIS Rating



Section 3: Hazards Identification

Principle Hazards: CAUSES MINOR EYE AND SKIN IRRITATION

Section 4: First Aid Measures

EYE: Flush with water for 15-20 minutes. Seek medical attention if irritation develops.

SKIN: Wash immediately with soap and water. Remove contaminated clothing and launder before reuse. Discard shoes and leather articles saturated with the product. Obtain medical advice if irritation occurs.

INHALATION: Remove exposed person to fresh air. If breathing is labored give oxygen. If breathing has stopped apply artificial respiration. Get immediate medical attention.

INGESTION: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. If vomiting does occur, keep head below hips to reduce risk of aspiration. Get immediate medical attention.

Section 5: Fire Fighting Measures

FLAMMABILITY PROPERTIES: Flash Point428°F(220°C)
Method COC ASTM D-92
LFL/UFLNot Determined
Auto-ignition TemperatureNot Determined

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol foam and halon.

FIREFIGHTING EQUIPMENT: Full bunker gear recommended including a positive pressure self-contained breathing apparatus.

Section 6: Accidental Release Measures

Isolate spill area. Provide adequate ventilation. Wear appropriate personal protection. Recover free product for recycle and/or disposal. Add sand, earth or other suitable absorbent to spill area. Prevent entry into sewers and waterways. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spill.

Section 7: Handling and Storage

HANDLING: Keep containers closed. Avoid contact with eyes, skin or clothing. Wash hands after handling. Empty container may retain product residue which may exhibit hazards of product.

STORAGE: Keep away from heat or flame.

Section 8: Exposure Controls/Personal Protection

VENTILATION: Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

RESPIRATORY: Use a NIOSH approved respirator when necessary.

SKIN: Use Viton or Nitrile gloves to avoid prolonged or repeated skin contact.

EYE: Use splash goggles or face shield where splashing is expected or can occur.

EXPOSURE LIMITS: The Threshold Limit Value (TLV) of 5 mg/m³ is suggested for oil mist.

Section 9: Physical and Chemical Properties

Physical State	Liquid
Boiling Point	Not Determined
Freezing/Melting Point	-17°F(-27°C)
Vapor Pressure	Not Determined
Vapor Density (Air=1).....	Not Determined
Evaporation Rate	Not Determined
Solubility in Water	Negligible
Specific Gravity (Water=1)	0.8827
Density, lb./gal.....	7.351
Volatility (Volume)	Unknown
VOC.....	Unknown
pH.....	Not Determined
Coefficient of Water/Oil Distribution	Not Determined
Odor	Aromatic, Hydrocarbon Odor
Odor Threshold	Not Determined
Appearance	Light Amber Colored Liquid
Viscosity, cSt @ 100°C	25.89
Viscosity, cSt @ 40°C	248.31
Viscosity Index	134
Refractive Index	1.4795
Fire Point.....	446°F(230°C)
4-Ball Para 1	0.40
4-Ball Para 3	0.50

Section 10: Stability and Reactivity

STABILITY: Stable under moderately elevated temperatures and pressures.

INCOMPATIBILITY: Avoid contact with strong oxidants.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: Toxic oxides of carbon, aldehydes and other products of incomplete combustion.

Section 11: Toxicological Information

ACUTE EXPOSURE

- Eye Irritation: Moderate to strong eye irritation. Based on data from components or similar material.
- Skin Irritation: Not expected to be a primary skin irritant. Based on data from components or similar material. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, defatting, and cracking of the skin.
- Respiratory Irritation: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Based on data from components or similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem.

CHRONIC EXPOSURE

- Chronic Toxicity: No data available to indicate product present at greater than 1.0% are chronic health hazards.
- Carcinogenicity: No data available to indicate product present at greater than 0.1% are a carcinogenic hazard.
- Mutagenicity: No data available to indicate product present at greater than 1.0% present a mutagenic or genotoxic hazard.
- Reproductive Toxicity: No data available to indicate product present at greater than 1.0% present a reproductive hazard.
- Teratogenicity: No data available to indicate product present at greater than 1.0% present a teratogenic hazards.

ADDITIONAL INFORMATION

- Exposure Limits: Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

Section 12: Ecological Information

No data available on the adverse effects of this product on the environment.

Section 13: Disposal Considerations

Dispose of in accordance with all local, state and federal regulations.

Section 14: Transport Information

This product is not classified as hazardous material for DOT shipping. For further information relative to spills resulting from transportation incidents, refer to the latest DOT Emergency Response Guidebook for Hazardous Materials Incidents, DOT 5800.3

Section 15: Regulatory Information

OSHA: Not Applicable.

CERCLA: Not Applicable.

SARA (SECTION 313): Not Applicable.

SARA Extremely Hazardous List: This product does not contain greater than 0.1% of any chemical substance on this list.

TSCA Inventory: All components of this material are on the U.S. TSCA Inventory.

California Prop 65: This product does not contain any chemical known to the State of California to cause cancer.

Canada: All components are in compliance with the Canadian Environmental Protection Act. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Japan MITI: All components have MITI and MOL numbers in Japan.

Australia: All components are in compliance with chemical notification in Australia.

Switzerland: All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

Section 16: Other Information

The information and recommendations contained herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued. We makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and we shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with our interpretation of the available data.