

Section I. General Information

Trade Name & Synonyms: **RelaTECH TO-4 10W**

Manufactured for: RelaDyne LLC

Formula:

5228 River Road
Cincinnati, OH 45233-1643

Chemical Name (Synonyms):

Chemical Family: Lubricants

Phone: (513) 941-2800
Fax: (513) 467-3486

Proper DOT Shipping Name:

NFPA Rating: (Health, Fire, Reactivity)
 0, 1, 0

Hazard Rating:

Least-0, Slight-1, Moderate-2,
High-3, Extreme-4

Section II. Ingredients

Ingredients	CAS#	Concentration
Specialized Transmission Fluid	Mixture	100 %weight
Hydrotreated heavy paraffinic distillate	64742-54-7	85 - 98 %weight
Zinc Compounds	Generic	1 – 5 %weight

Section III. Physical Data

Flash Point	453 °F [Cleveland Open Cup]
Pour Point	-41°F
Viscosity	39.6 cSt - 40.2 cSt @ 40°C
Appearance	Pale liquid
Substance Chemical Family	Lubricants

Odor	Slight additive odor
Specific Gravity	0.8748

Section IV. Fire & Explosion Hazard Data

Flash Point (Method): 453 °F/233.89 °C
[Cleveland Open Cup]

Extinguishing Media:
Material will float and can be re-ignited on surface of water. Use water fog, ‘alcohol foam’, dry chemical or carbon dioxide (CO2) to extinguish flames. Do not use a direct stream of water.

Special Fire Fighting Procedures:
Material will not burn unless preheated. Clear fire area of all non-emergency personnel. Only enter confined fire space with full gear, including a positive pressure, NIOSH-approved, self-contained breathing apparatus. Cool surrounding equipment, fire-exposed containers and structures with water. Container areas exposed to direct flame contact should be cooled with large quantities of water (500 gallons water per minute flame impingement exposure) to prevent weakening of container structure.

Section V. Health Hazard Data

Health Hazards: No known immediate health hazards. High-pressure injection under the skin may cause serious damage.

Physical Hazards: No known physical hazards.

Eyes: Lubricating oils are generally considered no more than minimally irritating to the eyes.

Skin: Lubricating oils are generally considered no more than minimally irritating to the skin. Prolonged and repeated contact may result in defatting and drying of the skin that may cause various skin disorders such as dermatitis, folliculitis or oil acne. Release of the material during high-pressure applications may result in injection under the skin causing possible extensive tissue damage which is difficult to heal.

Inhalation: Inhalation of vapors (generated at high temperatures only) or oil mist may cause mild irritation of the nose, throat, and respiratory tract.

Ingestion: Lubricating oils are generally no more than slightly toxic if swallowed.

Other Health Effects: Material may release hydrogen sulfide (H2S), a highly toxic and extremely flammable gas, when heated to 120 Degrees F or higher. H2S can cause irritation of the eyes and respiratory tract, headache, dizziness, nausea, vomiting, diarrhea, and pulmonary edema. At concentrations above 300 ppm, respiratory paralysis, causing unconsciousness and death, can occur. The odor (“rotten egg”) threshold is 0.02 ppm. Do not depend on sense of smell for warning; H2S rapidly deadens the sense of smell.

Section VI. Reactivity Data

Stability:	Material is stable under normal conditions.
Conditions To Avoid:	Avoid heat and open flames.
Materials To Avoid:	Avoid contact with strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition products are highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases will evolve when this material undergoes pyrolysis or combustion. Aldehydes, Carbon Monoxide, Carbon Dioxide, Hydrogen Sulfide, Ketones and other unidentified organic compounds may be formed upon combustion.

Section VII. Environmental Protection Procedures

Spill Management:

FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

Section VIII. Special Protection Information

Eye Protection:	Chemical Goggles, or Safety glasses with side shields
Skin Protection for Prolonged Exposure:	Impervious Gloves
Respiratory Protection (Type):	For Confined Space or Vapor/Mist operations-NIOSH
Ventilation Recommended:	General Exhaust
Other Protection:	Eye Wash Nearby

Section IX. Special Precautions

Precautionary Measures: Avoid prolonged or repeated contact with eyes, skin and clothing. Wash thoroughly after handling.