



Material Safety Data Sheet

Product Name: RelaTECH 5040 PSS-TP
Product Type: Semi-Synthetic Metalworking Fluid
Product Class: Water soluble micro-emulsion of Naphthenic oil

HMIS CODES:
Health = 0
Flammability = 1
Reactivity = 0

SECTION 1 - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: RelaDyne
ADDRESS : P.O. Box 2059 -- Sulphur, LA 70664
EMERGENCY PHONE : (800) 256-2512
INFORMATION PHONE : (337) 625-1117

SECTION 2 - HAZARDOUS INGREDIENTS/SARA III INFORMATION

All components of this product are listed on TSCA.

* Light naphthenic, severely hydrotreated, neutralized oil 20 – 30% wt.
CAS # 64742-52-5

REPORTABLE COMPONENTS EXPOSURE LIMITS
ACGIH: 5 mg/m³ TWA

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F
SPECIFIC GRAVITY (H₂O=1): 1.008
VAPOR DENSITY: (Air = 1): N/D
EVAPORATION RATE: (BuAc=1): <1
SOLUBILITY IN WATER: Complete / forms emulsion
APPEARANCE AND ODOR: Pink liquid with mild odor

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None METHOD USED: PMCC
FLAMMABLE LIMITS IN AIR BY VOLUME-
LOWER: n/a
UPPER: n/a
EXTINGUISHING MEDIA: Water No,
CO₂ Yes,
Dry chemical Yes,
Foam Yes,
Alcohol foam No.
SPECIAL FIREFIGHTING PROCEDURES: Treat as hot oil. Fire fighters should wear self-contained breathing apparatus in confined areas.
FIRE AND EXPLOSION HAZARDS: Intense heat may cause drums to rupture. Cool fire-exposed surfaces.



SECTION 5 - REACTIVITY DATA

STABILITY: Chemically stable.

CONDITIONS TO AVOID: None

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6 - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: High concentrations of vapors may produce irritation of the respiratory tract, headache, dizziness, and nausea.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Slight irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Slight irritant.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: No data.

HEALTH HAZARDS (ACUTE AND CHRONIC):

Acute: Slight irritation.

Chronic: Effects are not known.

CARCINOGENICITY: NTP CARCINOGEN: No

IARC MONOGRAPHS: No

OSHA REGULATED: No

ACGIH CARCINOGENICITY: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin disorders.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush well with water. Contact a physician if irritation persists.

SKIN: Wash with soap and water.

INHALATION: No emergency care anticipated under normal conditions.

INGESTION: Do not induce vomiting. Contact a physician. If vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent skin and eye contact. Use non-combustible material to confine and/or absorb.

Eliminate ignition sources. Ventilate area.

WASTE DISPOSAL METHOD: Remove to a waste disposal facility operating in compliance with federal, state, and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: If mists are generated in the use of this product; then the following values for petroleum oils apply:

---ACHIG - TLV/TWA = 5 mg/m³/8hr

---OSHA - PEL/TWA = 5 mg/m³/8hr

---ACGIH - TLV/STEL = 10 mg/m³

** If exposure exceeds these values, then appropriate respirators should be worn.

SHIPPING CLASSIFICATION: Non-hazardous according to IATA, 49CFR, and IMDG Regulations.



SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: None required at normal handling temperatures.

VENTILATION: Local exhaust is recommended for confined areas. General mechanical ventilation is adequate for normal use.

PROTECTIVE GLOVES: Chemical resistant rubber gloves, such as polyvinyl chloride-coated, and other protective gear as required to minimize skin contact.

EYE PROTECTION: Safety glasses. Splash proof goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye bath and safety shower.

WORK/HYGIENIC PRACTICES: Follow current H.M.I S. regulations.

SECTION 9 - DISCLAIMER

Pumpelly Oil Company bases the information and recommendations in this document on data believed to be correct. No warranty of any kind, however, is made as to the information in this document.