



## Material Safety Data Sheet

Product Name: RelaTECH 5035 PFS-BG  
Product Type: Synthetic Metalworking Fluid  
Product Class: Water soluble soap

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

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### SECTION 1 - MANUFACTURER IDENTIFICATION

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

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### SECTION 2 - HAZARDOUS INGREDIENTS/SARA III INFORMATION

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All components of this product are listed on TSCA.

\* TRIETHANOLAMINE      CAS #102-71-6      wt.% 10 - 30

REPORTABLE COMPONENTS EXPOSURE LIMITS  
ACGIH: 5 mg/m<sup>3</sup> TWA

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### SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

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BOILING POINT: 212°F  
SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.002  
VAPOR DENSITY: (Air = 1): N/D  
EVAPORATION RATE: (BuAc=1): <1  
SOLUBILITY IN WATER: soluble  
APPEARANCE AND ODOR: Blue liquid with mild odor

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### SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT: None METHOD USED: PMCC  
FLAMMABLE LIMITS IN AIR BY VOLUME-  
LOWER: n/a  
UPPER: n/a  
EXTINGUISHING MEDIA: Water No,  
CO<sub>2</sub> Yes,  
Dry chemical Yes,  
Foam Yes,  
Alcohol foam No.  
SPECIAL FIREFIGHTING PROCEDURES: Treat as anti-freeze. 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.



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## **SECTION 5 - REACTIVITY DATA**

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STABILITY: Chemically stable.

CONDITIONS TO AVOID: None

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

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## **SECTION 6 - HEALTH HAZARD DATA**

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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.

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## **SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

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Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. May separate and freeze below 0C (32F). Thaw and mix before sampling or using. Do not store above 43C (110F)

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## **SECTION 8 - CONTROL MEASURES**

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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.

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## **SECTION 9 - DISCLAIMER**

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RelaDyne - 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.