



Safety Data Sheet

Section 1 Product and Company Identification

Manufacturer

Tomlin Scientific, Inc.
6780 Eight Street
Buena Park, CA 90620
United States of America
Phone: 714-973-7971

Emergency Phone Numbers

714-973-7971 Normal Business Hrs.
USA & Canada Chemtrec 800-424-9300
International Chemtrec 703-527-3887

Fax: 714-523-7976

Recommended Usage: Lubricating Grease

Other Identifier: Mixture

Product Name: RedTak PolyPlex (All Grades)

Section 2 Hazards Identification

Classification of the Mixture: amber grease. Slight Petroleum Odor

Most Important Hazards: This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Quantity of Ingredients with Unknown Acute Toxicity: none

Section 3 Composition Information on Ingredients

Ingredient	WT %	CAS
Solvent Refined Heavy Paraffinic	60-80	64742-65-0

To the knowledge of the supplier, there are no other ingredients in this product that are classified as hazardous.

Section 4 First Aid Measures

Eyes: Flush eyes with running water for at least 15 minutes. If redness, burning, blurred vision or irritation persists, transport to nearest medical facility for additional treatment.

Skin: Flush skin with water, wash with soap and water. If irritation occurs, get medical attention. Remove contaminated clothing. Do not reuse clothing until cleaned. If material is injected under the skin, transport to the nearest medical facility for additional treatment. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.

Ingestion: Do NOT induce vomiting and obtain medical attention. Have victim rinse mouth out with water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

Section 5 Fire Fighting Measures

Flammable Properties:

Base Oil Flash point: 218°C (ASTM D92) Flammable limits in air: N/A Auto ignition



Registered to
ISO 9001



temperature: N/A

Extinguishing media: CO₂, dry chemical, foam

Special firefighting measure:

Procedures for an oil fire should be utilized. Use self-contained breathing apparatus. Use foam or dry chemical to extinguish fire. Water may be used only to keep surrounding containers cool. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Section 6 Accidental Release Measures

- Eliminate ignition sources and ventilate area.
- Advise EPA/state agency if required.
- Absorb spillage with inert absorbent material.
- Use proper personal protective equipment for clean-up.
- Contain spill and keep from entering waterways or sewers.
- Treat contaminated absorbent same as spilled product.

Section 7 Handling and Storage

Handling and Storage Precautions: Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.

Work/Hygienic Practices: Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse.

Section 8 Personal Protection/ Exposure Controls

Engineering Controls: Use adequate ventilation to keep vapors and mists of this material below applicable standards. Recommended work place control parameters - based on mineral oil ACGIH TWA 5 mg/m³.

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Skin Protection: Use protective clothing that is chemically resistant to this product. Acceptable materials for gloves and aprons are: neoprene, nitrile rubber or Viton.

Eye Protection: Use safety glasses or goggles. Have suitable eye wash water available.

Other/General Protection: For mists and vapors: Air Purifying, organic vapor cartridge, NIOSH approved respirator. Use self-contained breathing apparatus for environments with unknown concentrations or emergency situations.

Component	Agency	TWA	STEL
Highly refined mineral oils	ACGIH	5 mg/m ³	10 mg/m ³
	OSHA	5 mg/m ³	

Section 9 Physical and Chemical Properties



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Color: Amber
Vapor Pressure: N/A
Solubility in Water: Insoluble
Appearance: Semi-solid
% Volatile by Volume: N/A
Evaporation Rate: N/A
Odor: Characteristic
Vapor Density (air = 1): N/A
(Butyl Acetate = 1): <1
Boiling Point: N/A
Reactivity in Water: Non-reactive
Specific Gravity: 0.89-.90

Section 10 Stability and Reactivity

Stability: Stable
Conditions to avoid: Sources of ignition.
Incompatibility: Strong oxidizing or reducing agents.
Decomposition Products: Oxides of Carbon and Hydrogen.
Hazardous Polymerization: Will not occur.

Section 11 Toxicological Information

Likely Routes of Exposure: Inhalation, skin, eyes and ingestion.
Potential Health Effects:
Eye Effects: This mixture can cause irritation.
Skin Effects: May cause irritation.
Oral Effects: May cause discomfort.
Inhalation Effects: May cause respiratory tract irritation.
Chronic Health Effects: No data available to indicate product or components present at greater than 1% are chronic health hazards.
Mutagenicity: Negative
Carcinogenicity: This mixture contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All the oils in this mixture have been demonstrated to contain less than 3% extractables by the IP 346 test.
Reproductive Effects: Negative.
Teratogenicity: Negative.
Sensitization: Negative.
Toxicological Data:
ATE oral is > 2,000 mg/kg
ATE dermal is > 4,000 mg/kg
ATE inhalation (mist/aerosol) is estimated at 2.17 mg/L/4 hour





Section 12 Ecological Information

Not classified due to inadequate data available on this mixture. Highly recommend avoidance of release to the environment.

Section 13 Disposal Considerations

Avoid release to the environment. Dispose in a safe manner in accordance with national, state and local regulations. Not a RCRA hazardous waste if uncontaminated.

Section 14 Transportation Information

Proper Shipping Name: PETROLEUM LUBRICATING GREASE; NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR.

Shipping Class: 55

Dot Identification Number: N/A

Dot Shipping Label: Not regulated by DOT.

TDG Classification: Not controlled under TDG (Canada).

Section 15 Regulatory Information

U.S. Federal Regulatory Information:

SARA 302 Threshold Planning Quantity: N/A

SARA 304 Reportable Quantity: N/A

SARA 311 Categories:

Acute Health Effects:	None
Chronic Health Effects:	None
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	No

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

EPA Hazard Classification Code: Not applicable

CERCLA: No chemicals in this product are subject to the reporting requirements of CERCLA.

SARA Title III - Section 313 Supplier Notification: No Chemicals in this product exceed the DE Minims reporting level established by SARA Title III, Section 313 and 40 CFR 372.

WHMIS Classification: WHMIS controlled. Class D; Division 2, Subdivision B: otherwise causing toxic effects.

Other Regulations: All components of this formulation are listed on the CEPA-DSL (Domestic Substance List)

Section 16 Other Information

NFPA Hazard Rating:

Health:	1	Slight
Flammability:	1	Negligible
Reactivity:	0	Negligible

SDS Dated: 2.06.2020



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