

Safety Data Sheet - according to: 1907/2006 EC (REACH), 1272/2008/EC (CLP), GHS rev4e

Section 1 - Identification

Product Identifier: TSR-1 Racing Oil 50

Supplier Phone: 727-733-2054

Supplier: Lightning Connecting Rods

Emergency Phone & Hours: 727-733-2054 Hrs: 24 Hrs. 7 days

Supplier Address: 1630 N. HERCULES AVE. STE-B
CLEARWATER, FL 33765

Intended Use Lubrication of Tools

Uses To Avoid Non-intended use

Section 2 - Hazard Identification

Signal Word: DANGER

Other than flammability, no specific data exists for this mixture. Hazard classifications are calculated based on component information.

Hazard Classifications: **Substance Or Mixture** Mixture

Acute Toxicity Dermal (Category 5), Acute Toxicity Inhalation (Category 4), Eye damage/irritation (Category 1), Respiratory Sensitizer (Category 1B), Skin Sensitizer (Category 1B), Reproductive Toxicity (Category 2), Aquatic Hazard- short term (Category 1), Aquatic Hazard- long term (Category 1), Skin Corrosion/Irritation (Category 3),

Hazard Statements based on component information:

HAZARDS: May be harmful in contact with skin. Harmful if inhaled. Eye contact causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Skin contact causes mild skin irritation.

Precautions:

Before handling, put on eye protection, chemical resistant gloves, and cover all exposed skin. Use only with good ventilation or wear NIOSH approved organics respirator.

Pictograms:

(Area to right is blank if no pictograms apply)



Other Hazards Not Resulting In Classification: May be hazardous to soil dwelling organisms.

Summary: Read entire SDS prior to use. Observe all precautions. Use engineering controls to minimize human exposure to workplace chemicals.

Section 3 - Composition / Information on Ingredients

Component	CAS Number	% Range	
PETROLEUM HYDROCARBON	MIXTURE	40 - 60	Exact percentages and component identities are being withheld as trade secrets. Occupational Exposure Levels, Toxicity, and Ecological information on components is shown in Sections 8, 11, and 12 below. Users should read and understand the entire SDS. More specific information on components will be released to medical professionals in case of emergency.
MINERAL OIL	MIXTURE	5 - 15	
PARAFFINIC DISTILLATE	MIXTURE	15 - 40	
RUST INHIBITOR	MIXTURE	1 - 5	
LUBRICANT ADDITIVE MIXTURE	MIXTURE	1 - 5	
HYDROCARBON MIXTURE	68140-98-7	< 1	
LUBRICANT ADDITIVE	MIXTURE	5 - 15	
TRADE SECRET COMPONENT	PROPRIETARY	5 - 15	

Section 4 - First Aid Measures:

First responders should wear clothing appropriate for industrial exposure in accordance with local codes. At a minimum, all exposed skin should be covered, and latex gloves and eye protection meeting ANSI Z87 or CSA Z94.3 should be worn. First responders should avoid contact with spilled material. Spills of this material present a slip hazard. If smoke, fumes, or airborne mist is present, first responders should use organics respirator or self contained breathing apparatus.

IF SWALLOWED: Get immediate medical attention. Call poison control center.

IF INHALED: Remove affected person to fresh air and make comfortable for breathing. Get immediate medical attention.

IF IN EYES: Remove contact lenses and rinse eyes with cool water. Get immediate medical attention.

IF ON SKIN: Rinse affected area with cool water. Get immediate medical attention.

IF ON CLOTHES: Do not allow skin contact with contaminated clothing. Remove contaminated clothing and wash before re-use.

IF EXPOSED: Contact physician if you feel unwell.

Most Important Symptoms ACUTE: Respiratory effects, vision effects.

DELAYED: Dermatological effects.

Indication of Immediate Medical Attention Difficulty breathing, dizziness, extreme drowsiness, eye irritation, loss of vision, skin rash.

Section 5 - Fire Fighting Measures:

Appropriate Extinguishing Media Avoid spraying water jet on burning liquids as this may spread the fire. Use dry chemical or foam extinguishing media.

Specific Fire Hazards Fire fighters must be protected from smoke with self contained breathing apparatus. Heavy smoke may obscure vision. Smoke may contain oxides of carbon, nitrogen, sulfur, and chlorine.

Special Protective Actions Keep containers cool with water spray. Evacuate local area until fire is controlled.

Section 6- Accidental Release Measures:**Personal Precautions**

Spills present a slip hazard. Extinguish/disconnect possible sources of ignition near spill. Ensure adequate ventilation of fumes from affected area. Remove unnecessary personnel from area around spill. Prior to cleaning up, don protective gear including chemical and hydrocarbon resistant outer layer, latex or rubber gloves, rubber boots, and eye protection. Emergency responders should wear chemical and hydrocarbon resistant gear.

Environmental Precautions

Small spills may be wiped up with rags. For spills >10 litres- if possible to safely do so, contain the spilled material using diatomaceous earth and/or absorbent pads. Dike drains and prevent material from entering sewers, ditches, drains, or water courses. Place absorbed material into sealed storage containers and consult an environmental expert for proper disposal measures. Immediately report any discharges that escape containment to the local environmental authority or fire department.

Methods for Cleaning Up

Absorption with diatomaceous earth and/or absorbent pads is best. Do not use vacuum. Do not wash hydrocarbon or chemical spills away into sewers or drains. Use proper disposal methods for spent absorbents and contaminated rags or clothing.

Section 7- Storage and Handling:

TSR-1 Racing Oil 50

Page 3

Precautions for Handling

Wear protective gear including skin, hand, and eye protection when handling this material. Use with good ventilation or wear NIOSH approved respirator with organic vapor cartridges. Transfer large amounts using pumps and lines that are properly maintained. Visually inspect hoses and replace worn or suspicious looking hose and/or fittings. Use clean containers with sealing lids to transfer small amounts. Use caution when pouring to avoid splashing into eyes or on skin. Do not handle open containers near flames or hot surfaces.

Methods for Safe Storage

Store containers indoors away from heat and flames. Store in secure location with good ventilation. Keep container sealed when not transferring product. Protect from rain and extreme cold.

Avoid storage of hydrocarbons near strong mineral acids or materials marked 'Oxidizer'.

Section 8- Exposure Controls/Personal Protection:**Control Parameters**

No exposure limits are established for this mixture. Information on individual components is provided below.

Component Information - Occupational Exposure Limits:

PETROLEUM HYDROCARBON	US ACGIH: TWA: 5 mg/m3, STEL: 10 mg/m3 (as Oil Mist, if generated); US OSHA: 5 mg/m3 TWA as Oil Mist, if generated
MINERAL OIL	None Established
PARAFFINIC DISTILLATE	US ACGIH: TWA: 5 mg/m3, STEL: 10 mg/m3 (form: Inhalable fraction); US OSHA: 5 mg/m3 TWA (form: Inhalable fraction)
RUST INHIBITOR	None Established
LUBRICANT ADDITIVE MIXTURE	5mg/m3
HYDROCARBON MIXTURE	None Established
LUBRICANT ADDITIVE	None Established
TRADE SECRET COMPONENT	None Established

Personal Protective Gear

Workers exposed to airborne levels above threshold values shown above should use protective gear including safety glasses, latex gloves, long sleeve work shirts, long pants, hair covering, and work shoes having oil and chemical resistant soles. Similar protective gear should be worn when servicing equipment containing this material, or when draining and refilling equipment with fresh product.

Engineering Controls

Engineering controls should ensure adequate ventilation to keep airborne concentrations below threshold values shown above. Pumps and handling equipment should be designed to reduce human exposure potentials to liquids being transferred from containers into closed systems.

Section 9- Physical Properties:

TSR-1 Racing Oil 50

Page 4

Appearance	Clear Liquid	Upper Explosive Limit	Unknown
Odor	Characteristic	Lower Explosive Limit	Unknown
Odor Threshold	Unknown	Vapour Pressure	<1 mm Hg
pH	NA- anhydrous	Vapour Density	>1 (air = 1)
Melting Point	Not applicable	Relative Density	.82 - .92 kg/l @ 25C
Freezing Point	<0 C	Solubility	Hydrocarbons, insoluble in water
Initial Boiling Point	>100 C	Partition Coefficient	Unknown
Boiling Range	Unknown	Auto Ignition Temp	Unknown
Flash Point	>93C	Decomposition Temp	Unknown
Evaporation Rate	<1 (n-butyl acetate=1)	Viscosity cSt 40C	

Section 10- Physical Properties:

Reactivity	May react violently if combined with strong oxidizers and heat.
Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Keep away from fire, sparks, and other sources of ignition.
Possibly Hazardous Reactions	None known.
Incompatible Materials	Strong acids and materials marked 'Oxidizer'.
Hazardous Decomposition Products	Byproducts of combustion include carbon dioxide, carbon monoxide, oxides of sulfur, oxides of nitrogen, and heavy, acrid smoke.

Section 11- Toxicological Information:

Likely Routes of Exposure Dermal and eye exposure from normal use conditions. Ingestion and inhalation are not likely if all precautions for use are followed.

Symptoms of Exposure:

Ingestion Ingestion minimal amounts, e.g. failure to wash hands before eating/smoking, is unlikely to cause symptoms. Swallowing of liquid product may cause vomiting and nausea.

Inhalation Inhalation results in coughing and may cause difficulty breathing.

Dermal/Eye Transient dermal contact is not irritating. Prolonged dermal contact may cause local irritation and rash. Eye contact causes mild to severe eye irritation and possible temporary loss of vision.

Immediate or Delayed Effects No data available

Interactive Effects No data available

Numerical Measures of Toxicity - components

Acute Oral Toxicity: PETROLEUM HYDROCARBON: LD50 5001 mg/Kg; MINERAL OIL: Non Hazardous; PARAFFINIC DISTILLATE: Non Hazardous; RUST INHIBITOR: Non Hazardous; LUBRICANT ADDITIVE MIXTURE: Non Hazardous; HYDROCARBON MIXTURE : LD50 5001 mg/Kg; LUBRICANT ADDITIVE: Non Hazardous; TRADE SECRET COMPONENT: Non Hazardous

Acute Skin Toxicity: PETROLEUM HYDROCARBON: LD50 5001 mg/Kg; MINERAL OIL: Non Hazardous; PARAFFINIC DISTILLATE: LD50 2001-5000mg/kg; RUST INHIBITOR: LD50 2001-5000mg/kg; LUBRICANT ADDITIVE MIXTURE: Non Hazardous; HYDROCARBON MIXTURE : No Data Available; LUBRICANT ADDITIVE: Non Hazardous; TRADE SECRET COMPONENT: Non Hazardous

Section 11- Toxicological Information: (continued)

TSR-1 Racing Oil 50

Page 5

Acute Toxicity Inhalation PETROLEUM HYDROCARBON: Non Hazardous; MINERAL OIL: Non Hazardous; PARAFFINIC DISTILLATE: Non Hazardous; RUST INHIBITOR: LD50 10=20mg/l; LUBRICANT ADDITIVE MIXTURE: Non Hazardous; HYDROCARBON MIXTURE : No Data Available; LUBRICANT ADDITIVE: Non Hazardous; TRADE SECRET COMPONENT: Non Hazardous

Skin Corrosion: PETROLEUM HYDROCARBON: Cat 3 Irritant; MINERAL OIL: Non Irritating; PARAFFINIC DISTILLATE: Cat 3 Irritant; RUST INHIBITOR: No Data Available; LUBRICANT ADDITIVE MIXTURE: Non Irritating; HYDROCARBON MIXTURE : Non Irritating; LUBRICANT ADDITIVE: Non Irritating; TRADE SECRET COMPONENT: No Data Available

Eye Corrosion: PETROLEUM HYDROCARBON: Cat 2B Eye Irritant; MINERAL OIL: Non-Categorized, Suspected Eye Irritant; PARAFFINIC DISTILLATE: Non-Categorized, Suspected Eye Irritant; RUST INHIBITOR: Non-Categorized, Suspected Eye Irritant; LUBRICANT ADDITIVE MIXTURE: Cat 2A Serious Irritation; HYDROCARBON MIXTURE : Non-Categorized, Suspected Eye Irritant; LUBRICANT ADDITIVE: Cat 1 Serious Damage; TRADE SECRET COMPONENT: Cat 2B Eye Irritant

Respiratory Sensitization: PETROLEUM HYDROCARBON: Non Sensitizing; MINERAL OIL: Non Sensitizing; PARAFFINIC DISTILLATE: Cat 1B Sensitizer; RUST INHIBITOR: No Data Available; LUBRICANT ADDITIVE MIXTURE: Non Sensitizing; HYDROCARBON MIXTURE : Non Sensitizing; LUBRICANT ADDITIVE: Non Sensitizing; TRADE SECRET COMPONENT: No Data Available

Skin Sensitization: PETROLEUM HYDROCARBON: ; MINERAL OIL: Non Sensitizing; PARAFFINIC DISTILLATE: Cat 1B Sensitizer; RUST INHIBITOR: No Data Available; LUBRICANT ADDITIVE MIXTURE: Non Sensitizing; HYDROCARBON MIXTURE : Non Sensitizing; LUBRICANT ADDITIVE: Non Sensitizing; TRADE SECRET COMPONENT: No Data Available

Germ Cell Mutagenicity: PETROLEUM HYDROCARBON: No Data Available; MINERAL OIL: No Data Available; PARAFFINIC DISTILLATE: No Data Available; RUST INHIBITOR: No Data Available; LUBRICANT ADDITIVE MIXTURE: No Data Available; HYDROCARBON MIXTURE : No Data Available; LUBRICANT ADDITIVE: No Data Available; TRADE SECRET COMPONENT: No Hazard

Carcinogen: PETROLEUM HYDROCARBON: No Hazard; MINERAL OIL: No Hazard; PARAFFINIC DISTILLATE: No Hazard; RUST INHIBITOR: No Data Available; LUBRICANT ADDITIVE MIXTURE: No Hazard; HYDROCARBON MIXTURE : No Data Available; LUBRICANT ADDITIVE: No Hazard; TRADE SECRET COMPONENT: No Data Available

Section 11- Toxicological Information: (continued)

TSR-1 Racing Oil 50

Page 6

Reproductive Effects: PETROLEUM HYDROCARBON: No Data Available; MINERAL OIL: No Data Available; PARAFFINIC DISTILLATE: No Data Available; RUST INHIBITOR: No Data Available; LUBRICANT ADDITIVE MIXTURE: No Data Available; HYDROCARBON MIXTURE : No Data Available; LUBRICANT ADDITIVE: Cat 1B Reproductive Toxicant; TRADE SECRET COMPONENT: No Data Available

Target Organ 1 Exposure: PETROLEUM HYDROCARBON: No Data Available; MINERAL OIL: No Data Available; PARAFFINIC DISTILLATE: No Data Available; RUST INHIBITOR: No Data Available; LUBRICANT ADDITIVE MIXTURE: No Data Available; HYDROCARBON MIXTURE : No Data Available; LUBRICANT ADDITIVE: No Hazard; TRADE SECRET COMPONENT: No Data Available

Target Organ Multiple Exposure: PETROLEUM HYDROCARBON: No Data Available; MINERAL OIL: No Data Available; PARAFFINIC DISTILLATE: No Data Available; RUST INHIBITOR: No Data Available; LUBRICANT ADDITIVE MIXTURE: No Data Available; HYDROCARBON MIXTURE : No Data Available; LUBRICANT ADDITIVE: No Hazard; TRADE SECRET COMPONENT: No Data Available

Aspiration Hazard: PETROLEUM HYDROCARBON: No Hazard; MINERAL OIL: No Hazard; PARAFFINIC DISTILLATE: No Hazard; RUST INHIBITOR: No Hazard; LUBRICANT ADDITIVE MIXTURE: No Hazard; HYDROCARBON MIXTURE : No Hazard; LUBRICANT ADDITIVE: No Hazard; TRADE SECRET COMPONENT: No Hazard

Other Information No other information available.

Section 12- Ecological Information:

Ecological Summary Hydrocarbon mineral oils have low toxicity and are inherently biodegradable. Additives in mixture have varying degrees of toxicity, persistence, and other effects. Available component data is shown below.

Bioaccumulation No data available

Persistence/Degradability No data available

Waste Treatment Effects No data available.

Soil Mobility Mineral oils have been shown to adhere strongly to soil. Mobility is expected to be low.

Other Adverse Effects Oils spilled or leaked into waterways will cause an oil sheen on the surface.

Toxicity to aquatic organisms, component information:

Aquatic Toxicity, Acute: PETROLEUM HYDROCARBON: No Data Available; MINERAL OIL: Non Toxic; PARAFFINIC DISTILLATE: No Data Available; RUST INHIBITOR: No Data Available; LUBRICANT ADDITIVE MIXTURE: No Data Available; HYDROCARBON MIXTURE : Non Toxic; LUBRICANT ADDITIVE: L(E)C50 <=1mg/l; TRADE SECRET COMPONENT: Non Toxic

Section 12- Ecological Information, Continued:**Aquatic Toxicity, Long Term:**

PETROLEUM HYDROCARBON: No Data Available; MINERAL OIL: No Chronic Aquatic Toxicity; PARAFFINIC DISTILLATE: No Data Available; RUST INHIBITOR: No Data Available; LUBRICANT ADDITIVE MIXTURE: No Data Available; HYDROCARBON MIXTURE : No Chronic Aquatic Toxicity; LUBRICANT ADDITIVE: Cat 1 Chronic Aquatic Effects; TRADE SECRET COMPONENT: No Chronic Aquatic Toxicity

Ozone: No components of this mixture are known to cause any adverse effects on the earth's ozone layer.

Section 13- Disposal Considerations:**Disposal Containers & Methods**

Unused material is not a RCRA hazardous waste. Mixture with other wastes may cause classification as hazardous waste. Users must determine compliance with local, state, and federal regulations for proper classification and disposal of used oils.

Physical Chemical Properties Affecting Disposal

Changes in physical and chemical properties during use, such as contamination with heavy metals, may affect classification for disposal. Test prior to disposal.

Improper Disposal

Discharging of oily wastes into any sewer, watercourse, or unregulated drain is improper and may result in fines, penalties, cleanup costs, and criminal liabilities.

Precautions for Landfill

Oily liquid should not be disposed in a landfill. Disposal of oily absorbents, rags, or other items into a landfill should only be done with proper permission from local, state, and federal authorities.

Section 14- Transport Information:**US DOT 49 CFR Parts 171-180:**

Proper Shipping Name Not Regulated for Domestic Shipment

UN/ID/NA Number:

Transport Hazard Class NA **Packing Group** NA **Labels:** NA

ERGCode NA

Marine Pollutant: No

IATA-DGR

IATA Proper Shipping Name Not Regulated

UN/ID Number

IATA Class **IATA Packing Group:**

IATA Labels

IMDG-CODE

IMDG Proper Shipping Name Not Regulated

IMDG UN/ID Number

IMDG Shipping Class

IMDG Packing Group

IMDG Labels

IMDG Marine Pollutant: No

MARPOL 73/78 Annex II

MARPOL Not available for sale in bulk marine shipments

Special Precautions None

Section 15- Regulatory Information:

TSCA Inventory: All components properly registered.

US SARA 313 No components are subject to the reporting requirements.

SARA 311/312 Acute Health Hazard None

SARA 311/312 Chronic Health Hazard None

SARA 311/312 Fire Hazard None

SARA 311/312 Sudden Release of Pressure None

SARA 311/312 Reactivity Hazard No hazard

California Proposition 65 This material does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

Other Regulations **REACH** All components are listed on REACH registry.

Canada WHMIS - No hazard class

Section 16- Other Information:

Revision Date May 28, 2015

Reasons For Revision Initial GHS SDS preparation.

Sec 16 Other Info This Safety Data Sheet was prepared in good faith from the most recent information available, in accordance with current GHS regulations in effect at time of preparation. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.