SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2363605	**COMPANY PHONE:**	1-800-241-8180
PRODUCT NAME:	HYDRAULIC OIL ISO 32	**EMERGENCY TELEPHONE:**	1-800-535-5053
PRODUCT DESCRIPTION:	Hydraulic oil	**INFOTRAC:**	1-800-535-5053
COMPANY INFORMATION:	**PRO CHEM, INC.** 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:
GHS Classification: Not classified as hazardous under OSHA
Hazards not otherwise classified: No data available

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	45-70%
Distillates, petroleum, solvent- dewaxed heavy paraffinic	64742-65-0	15-40%

4. First Aid Measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:
INHALATION: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
EYE CONTACT: Use eye wash to remove a chemical from the eye. Flush the affected eye for at least fifteen minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical attention if irritation persists.
SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.
INGESTION: Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:
May cause mild skin irritation.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:
No additional first aid information available. No additional first aid information available.

5. Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA:
Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

UNSUITABLE EXTINGUISHING MEDIA:
Do not use direct water stream.

SPECIAL HAZARDS ARISING FROM THE CHEMICAL:
Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

HAZARDOUS COMBUSTION PRODUCTS:
Carbon monoxide, Sulfur containing gases, Nitrogen containing gases, oxides of phosphorus, Hydrogen sulfide

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:
Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider
the expertise of employees in the area responding to the spill.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:
Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING: Mildly irritating material. Avoid unnecessary exposure. Follow all protective equipment recommendations provided in section 8.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
SAFE STORAGE CONDITIONS: Store in a cool dry place. Isolate from incompatible materials.
MATERIALS TO AVOID/CHEMICAL INCOMPATIBILTY: Strong oxidizing agents

8. Exposure Controls / Personal Protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) threshold limit value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

CHEMICAL NAME	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH	US WEEL
Petroleum distillates, hydrotreated heavy paraffinic	5 mg/m3 TWA	5 mg/m3 TWA	10 mg/m3 STEL	No data available	No data available
Distillates, petroleum, solvent-dewaxed heavy paraffinic	5 mg/m3 TWA	5 mg/m3 TWA	10 mg/m3 STEL	No data available	No data available

APPROPRIATE ENGINEERING CONTROLS: Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:
RESPIRATORY PROTECTION: Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.
RESPIRATOR TYPE(S): None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.
EYE PROTECTION: Wear safety glasses when handling this product if there is a likelihood of contact with eyes.
SKIN PROTECTION: Where use can result in skin contact, practice good personal hygiene and wear impervious gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
GLOVES: Neoprene, Nitrile
GENERAL HYGIENE CONDITIONS: Follow all protective equipment recommendations provided in Section 8.

9. Physical & Chemical Properties

Physical State:	Liquid	**Upper/Lower Flammability or Explosive Limits:**	
Color:	Colorless to pale yellow	**Upper Flammability or Explosive Limits:**	Not established
Odor:	Mild Petroleum	**Lower Flammability or Explosive Limits:**	Not established
Odor Threshold:	Not determined	**Vapor Pressure:**	No data available
pH:	No data available	**Vapor Density:**	No data available
Melting Point/Freezing Point:		**Relative Density:**	0.86
Melting Point:	No data available	**Solubility (ies):**	Insoluble
Freezing Point:	No data available	**Partition Coefficient: n-octanol/water:**	No data available
Initial Boiling Point And Boiling Range (°C):	No data available	**Auto-ignition Temperature:**	No data available
Flash Point (°C)::	210°C	**Decomposition Temperature:**	Not determined
Evaporation Rate:	No data available	**Viscosity:**	32.09
Flammability (solid, gas):	No data available		

10. Stability & Reactivity Information

REACTIVITY:
There are no known reactivity hazards associated with this product.

CHEMICAL STABILITY:
Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:
None expected under standard conditions of storage.

CONDITIONS TO AVOID (EG. STATIC DISCHARGE, SHOCK, OR VIBRATION):
Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Moisture (will lead to product performance degradation).

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon monoxide, Sulfur containing gases, Nitrogen containing gases, oxides of phosphorus, Hydrogen sulfide

11. Toxicological Information

DESCRIPTION OF THE VARIOUS TOXICOLOGICAL (HEALTH) EFFECTS AND THE AVAILABLE DATA USED TO IDENTIFY THOSE EFFECTS:

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE (INHALATION, INGESTION, SKIN AND EYE CONTACT):
Eye contact, Ingestion, Inhalation, Skin contact

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL and TOXICOLOGICAL CHARACTERISTICS:
May cause mild skin irritation.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE: DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE:
INGESTION: No hazard in normal industrial use. Estimated to be > 5.0 g/kg.
SKIN CONTACT: This material is likely to be slightly irritating to skin based on animal data. Can cause minor skin irritation, defatting, and dermatitis.
INHALATION: No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.
EYE CONTACT: This material is likely to be non-irritating to eyes based on animal data.
SENSITIZATION: Non-hazardous under Respiratory Sensitization category. No data available to indicate product or components may be a skin sensitizer.
MUTAGENICITY: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
CARCINOGENICITY: Not expected to cause cancer. This product meets the IP-346 criteria of <3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.
REPRODUCTIVE TOXICITY: Not known or reported to cause reproductive or developmental toxicity.
STOT-SINGLE EXPOSURE: Based on available data, the classification criteria are not met.
STOT-REPEATED EXPOSURE: Based on available data, the classification criteria are not met.
ASPIRATION HAZARD: Based on available data, the classification criteria are not met.
OTHER INFORMATION: None known.

NUMERICAL MEASURES OF TOXICITY (SUCH AS ACUTE TOXICITY ESTIMATES): Based on available data, the classification criteria are not met.

IS THE HAZARDOUS CHEMICAL IS LISTED IN THE NATIONAL TOXICOLOGY PROGRAM (NTP) REPORT ON CARCINOGENS (LATEST EDITION) ORHAS BEEN FOUND TO BE A POTENTIAL CARCINOGEN IN THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER {IARC) MONOGRAPHS (LATEST EDITION), OR BY OSHA:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
There are no components that are known or reported to cause cancer.			

12. Ecological Information

ECOTOXICITY: Slight ecological hazard. In high concentrations, this product may be dangerous to plants and/or wildlife.
Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
2,6-Di-tert-butylphenol	128-39-2	EC50 (48h) Daphnia magna 0.45 mg/L	No data available	No data available
Distillates, petroleum, solvent-dewaxed heavy paraffinic	64742-65-0	EC50 (48h) Daphnia magna > 1000 mg/L	No data available	LC50 (96h) Rainbow Trout> 5000 mg/L
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	EC50 (48h) Daphnia magna > 1000 mg/L	No data available	LC50 (96h) Rainbow Trout> 5000 mg/L

PERSISTENCE AND DEGRADABILITY: Biodegrades slowly.
BIOACCUMULATIVE POTENTIAL: Bioconcentration may occur.
MOBILITY IN SOIL: This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.
OTHER ADVERSE EFFECTS (SUCH AS HAZARDOUS TO THE OZONE LAYER): None known.

13. Disposal Consideration

DESCRIPTION OF WASTE RESIDUES AND INFORMATION ON THEIR SAFE HANDLING AND METHODS OF DISPOSAL, INCLUDING THE DISPOSAL OF ANY CONTAMINATED PACKAGING: Spent or discarded material is non-hazardous according to environmental regulations.

CONTAMINATED PACKAGING: Recycle containers whenever possible.

14. Transportation Information

CARRIAGE OF DANGEROUS GOODS BY ROAD (DOT), RAIL OR INLAND WATERWAYS:
DOT BASIC DESCRIPTION: Not regulated for road transport

International carriage of dangerous goods by sea (IMDG/IMO):
UN number: Not regulated by IMDG
UN Proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group, if applicable: Not applicable

International carriage of dangerous goods by air (IATA):
UN number: Not regulated by IATA
UN Proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group, if applicable: Not applicable

Environmental hazards (e.g., Marine pollutant (Yes/No)): None.
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): No data available

Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises: No data available

15. Regulatory Information

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT IN QUESTION:
TSCA STATUS: All components of this material are on the Active US TSCA Inventory or are exempt.

REGULATED COMPONENTS:

Chemical Name	CAS #	CERLA	Sara EHS	Sara 313	U.S. HAP
Petroleum distillates, hydrotreated heavy oaraffinic	64742-54-7	N	N	N	N
Distillates, petroleum, solvent-dewaxed heavy oaraffinic	64742-65-0	N	N	N	N
2,6-Di-tert-butylphenol	128-39-2	N	N	N	N

Chemical Name	CAS #	California Prop 65 – Cancer	California Prop 65 – Dev. Toxicity	California Prop 65 – Reprod Fem	California Prop 65 – Reprod Male
Petroleum distillates, hydrotreated heavy oaraffinic	64742-54-7	N	N	N	N
Distillates, petroleum, solvent-dewaxed heavy oaraffinic	64742-65-0	N	N	N	N
2,6-Di-tert-butylphenol	128-39-2	N	N	N	N

CALIFORNIA PROP 65

⚠ **WARNING:** This product can expose you to chemicals including Methanol which is known to the State of California to cause cancer. For more information go to, www.P65Warnings.ca.gov

Chemical Name	CAS #	Massachusetts RTK List	New Jersey RTK List	Pennsylvania RTK List	Rhode Island RTK List	Minnesota Hazardous Substance List
Petroleum distillates, hydrotreated heavy oaraffinic	64742-54-7	N	N	N	N	N
Distillates, petroleum, solvent-dewaxed heavy oaraffinic	64742-65-0	N	N	N	N	N
2,6-Di-tert-butylphenol	128-39-2	N	N	N	N	N

16. Other Information

DISCLAIMER:
The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use. No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.