



# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product Name:** Sinclair DynoTech RO Turbine ISO 150  
**Product Code:** SI5S1555 (Sinclair Code: 769-003)

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended use:** Hydraulic Oil  
**Recommended restrictions:** Not applicable

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer:** Warren Distribution, Inc.  
727 S. 13th Street  
Omaha, NE 68102  
**Information Phone:** +01 (800) 825-1235 +01 (402) 341-9397  
**E-mail:** sds@wd-wpp.com

### 1.4. Emergency telephone number

**Emergency phone number:** CHEMTREC: +1 (800) 424-9300  
International: +01 (703) 527-3887

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not classified under GHS

### 2.2. Label elements

### 2.3. Other hazards

**Hazards not otherwise classified:** Avoid prolonged or repeated skin contact with used fluid.

### Unknown acute toxicity (GHS-US)

**Unknown Acute Toxicity (Gas):** 100 % of the mixture consists of ingredient(s) of unknown toxicity.

## SECTION 3: Composition/information on ingredients

Chemical Name	%	CAS #	GHS Classification
1-Decene, homopolymer, hydrogenated	100	68037-01-4	Asp. Tox. 1; H304

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen and get medical attention immediately.

**Eyes** None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.

**Skin Contact** Wash with soap and water. Get medical attention if irritation develops or persists.

**Ingestion** No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.

### 4.2. Most important symptoms and effects, both acute and delayed

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## SECTION 4: First aid measures

**Symptoms** Not determined  
**4.3. Indication of any immediate medical attention and special treatment needed**  
**Note to Doctor** No additional first aid information available.

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**  
**Suitable and Unsuitable 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.

**5.2. Special hazards arising from the substance or mixture**  
**Fire and/or Explosion Hazards** Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

**5.3. Advice for firefighters**  
**Fire Fighting Methods and Protection** Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

**Hazardous Combustion Products** Carbon dioxide, Carbon monoxide

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**  
**General Measures:** No data available.

**6.2. Environmental precautions**  
No data available.

**6.3. Methods and material for containment and cleaning up**  
**Methods for cleaning up:** No data available.

**6.4. Reference to other sections**  
Follow all protective equipment recommendations provided in Section 8.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**  
No special handling instructions due to toxicity.

**7.2. Conditions for safe storage, including any incompatibilities**  
Store in a cool dry place. Isolate from incompatible materials.

**Incompatible materials**  
See Section 10.

**7.3. Specific end use(s)**  
Hydraulic Oil

## SECTION 8: Exposure controls/personal protection

<b>8.1. Control parameters</b>	<b>Occupational Exposure Limits</b>	<b>Value</b>
<b>Chemical Name</b>		
None.	OSHA PEL	
None.	IDLH	
None.	OSHA PEL-Skin Notation	

**8.2. Exposure controls**

**Engineering Measures** Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

**Respiratory Protection** Respiratory protection will be required when handling this product. Use respirators only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels.

**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** No special requirements under normal industrial use.

**Skin Protection** Not normally considered a skin hazard. Where use can result in skin contact, practice good personal

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## 8.2. Exposure controls

hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Gloves** No information available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	Liquid
<b>Color</b>	Amber
<b>Odor</b>	Mild
<b>Odor threshold</b>	Not determined
<b>pH</b>	Not determined
<b>Freezing point</b>	Not determined
<b>Boiling Point</b>	Not determined
<b>Flash Point (°C)</b>	216
<b>Flash Point Method</b>	COC
<b>Evaporation Rate</b>	Not determined
<b>Upper Flammable/Explosive Limit, % in air</b>	Not established
<b>Lower Flammable/Explosive Limit, % in air</b>	Not established
<b>Flammability (solid, gas)</b>	Not applicable
<b>Vapor pressure</b>	Not determined
<b>Vapor Density</b>	Not determined
<b>Relative Density</b>	0.84
<b>Solubility in Water</b>	Negligible; 0-1%
<b>Octanol/Water Partition Coefficient</b>	Not determined
<b>Autoignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Viscosity(°C)</b>	150.2
<b>9.2. Other information</b>	
<b>Volatiles, % by weight</b>	0.000000

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	No data available.
<b>10.2. Chemical stability</b>	Stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	Hazardous polymerization will not occur.
<b>10.4. Conditions to avoid</b>	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.
<b>10.5. Incompatible materials</b>	Strong oxidizing agents
<b>10.6. Hazardous decomposition products</b>	Carbon dioxide, Carbon monoxide

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Ingestion Toxicity</b>	No hazard in normal industrial use. Estimated to be > 5.0 g/kg.
<b>Skin Contact</b>	Likely to be non-irritating to skin based on animal data. No hazard in normal industrial use.
<b>Absorption</b>	Likely to be practically non-toxic based on animal data.
<b>Inhalation Toxicity</b>	No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.
<b>Eye Contact</b>	This material is likely to be non-irritating to eyes based on animal data. No hazard in normal industrial use.
<b>Sensitization</b>	Non-hazardous under Respiratory Sensitization category. No data available to indicate product or components may be a skin sensitizer.

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## SECTION 11: Toxicological information

<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
<b>Carcinogenicity</b>	Not a carcinogen according to NTP, IARC, or OSHA.
<b>Reproductive and Developmental Toxicity</b>	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
<b>Specific target organ toxicity-Single exposure</b>	Non-hazardous under Specific Target Organ Systemic Toxicity Single Exposure category.
<b>Specific target organ toxicity-Repeated exposure</b>	Non-hazardous under Specific Target Organ Systemic Toxicity Repeated Exposure category.
<b>Aspiration toxicity</b>	Non-hazardous under Aspiration category.
<b>Other information</b>	No data available.

### Agents Classified by IARC Monographs

Arsenic	IARC Group 1
Ethylene oxide	IARC Group 1
Not applicable	IARC Group 2A
Ethyl acrylate	IARC Group 2B
1,4-Dioxane	IARC Group 2B
Propylene oxide	IARC Group 2B

### National Toxicity Program (NTP) Status

Arsenic	Known Human Carcinogen
Ethylene oxide	Known Human Carcinogen
1,4-Dioxane	Reasonably Anticipated To Be A Human Carcinogen
Propylene oxide	Reasonably Anticipated To Be A Human Carcinogen

## SECTION 12: Ecological information

### 12.1. Toxicity

**Acute Aquatic ecotoxicity:** Non-hazardous under Aquatic Acute Environment category.

**Chronic Aquatic ecotoxicity:** Non-hazardous under Aquatic Chronic Environment category.

### 12.2. Persistence and degradability

Does not biodegrade readily.

### 12.3. Bioaccumulative potential

Bioconcentration is not expected to occur.

### 12.4. Mobility in soil

This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

### 12.5. Results of PBT and vPvB assessment

No data available.

### 12.6. Other adverse effects

Not determined

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal Methods

Dispose of in a landfill. Disposal is not likely to be regulated.

#### Waste Disposal Code(s)

#### Waste Description for Spent Product

Spent or discarded material is non-hazardous according to environmental regulations.

#### Contaminated packaging:

Recycle containers whenever possible.

## SECTION 14: Transport information

**DOT Basic Description** Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

#### Description

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## SECTION 15: Regulatory information

### Chemical Inventories

**TSCA Status** All components of this material are on the US TSCA Inventory or are exempt.  
**U.S. State Restrictions:** Not applicable  
**WHMIS:** Uncontrolled product according to WHMIS classification criteria.

Chemical Name	Regulation	CAS #	%
None.	CERCLA		
Diphenylamine	SARA 313	122-39-4	0.01 - 0.1
Ethyl acrylate	SARA 313	140-88-5	0.001- 0.01
Arsenic	SARA 313	7440-38-2	<10ppm
Toluene	SARA 313	108-88-3	<10ppm
1,4-Dioxane	SARA 313	123-91-1	<10ppm
Ethylene oxide	SARA 313	75-21-8	<10ppm
Propylene oxide	SARA 313	75-56-9	<10ppm
None.	SARA EHS		
None.	TSCA 12b		

### U.S. State Regulations

Chemical Name	Regulation	CAS #	%
Ethyl acrylate	California Prop 65- Cancer	140-88-5	0.001- 0.01
1,4-Dioxane	California Prop 65- Cancer	123-91-1	<10ppm
Ethylene oxide	California Prop 65- Cancer	75-21-8	<10ppm
Propylene oxide	California Prop 65- Cancer	75-56-9	<10ppm
Toluene	California Prop 65- Dev. Toxicity	108-88-3	<10ppm
Ethylene oxide	California Prop 65- Dev. Toxicity	75-21-8	<10ppm
Ethylene oxide	California Prop 65- Reprod -fem	75-21-8	<10ppm
Ethylene oxide	California Prop 65- Reprod-male	75-21-8	<10ppm
None.	Massachusetts RTK List		
None.	New Jersey RTK List		
None.	Pennsylvania RTK List		
None.	Rhode Island RTK List		
None.	Minnesota Hazardous Substance List		

### HMIS Ratings:

Health: 0  
 Fire: 1  
 Reactivity: 0  
 PPE: B

### NFPA Ratings:

Health: 0  
 Fire: 1  
 Reactivity: 0

KEY: 0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

## SECTION 16: Other information

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## SECTION 16: Other information

### References

ACGIH: American Conference of Governmental Industrial Hygienists  
AIHA: American Industrial Hygiene Association  
CFR: Code of Federal Regulations  
DOT: United States Department of Transportation  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals  
HMIS: Hazardous Materials Identification System  
IARC: International Agency for Research on Cancer  
IATA: International Air Transportation Association  
IDLH: Immediately Dangerous to Life or Health  
IMDG: International Maritime Dangerous Goods  
NFPA: National Fire Protection Association  
NIOSH: National Institute for Occupational Safety and Health  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
RTK: Right-to-Know  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short-term Exposure Limit  
TLV: Threshold limit value  
TSCA: Toxic Substances Control Act  
TWA: Time weighted average  
UN: United Nations  
WHMIS: Workplace Hazardous Materials Information System

### Disclaimer

THIS PRODUCT MATERIAL SAFETY DATA SHEET PROVIDES HEALTH AND SAFETY INFORMATION. THE PRODUCT SHOULD BE USED IN APPLICATIONS CONSISTENT WITH THIS PRODUCT LITERATURE. FOR ANY OTHER USES, EXPOSURES SHOULD BE EVALUATED SO THAT APPROPRIATE HANDLING PRACTICES AND TRAINING PROGRAMS CAN BE ESTABLISHED TO ENSURE SAFE WORKPLACE OPERATIONS.

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