



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 46
Product Code: SI5S4655 (Sinclair Code: 767-003)

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

SAFETY DATA SHEET

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

| 8.1. Control parameters | Occupational Exposure Limits | Value |
|--------------------------------|-------------------------------------|--------------|
| Chemical Name | | |
| 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

SAFETY DATA SHEET

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

| | |
|---|------------------|
| Physical State | Liquid |
| Color | Amber |
| Odor | Mild |
| Odor threshold | Not determined |
| pH | Not determined |
| Freezing point | Not determined |
| Boiling Point | Not determined |
| Flash Point (°C) | 216 |
| Flash Point Method | COC |
| Evaporation Rate | Not determined |
| Upper Flammable/Explosive Limit, % in air | Not established |
| Lower Flammable/Explosive Limit, % in air | Not established |
| Flammability (solid, gas) | Not applicable |
| Vapor pressure | Not determined |
| Vapor Density | Not determined |
| Relative Density | 0.83 |
| Solubility in Water | Negligible; 0-1% |
| Octanol/Water Partition Coefficient | Not determined |
| Autoignition Temperature | Not determined |
| Decomposition Temperature | Not determined |
| Viscosity(°C) | 46.29 |
| 9.2. Other information | |
| Volatiles, % by weight | 0.000000 |

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

SAFETY DATA SHEET

SECTION 11: Toxicological information

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

Recycle containers whenever possible.

SECTION 14: Transport information

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

SAFETY DATA SHEET

SECTION 14: Transport information

Description

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

SAFETY DATA SHEET

SECTION 16: Other information

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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

Disclaimer WHMIS: Workplace Hazardous Materials Information System
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